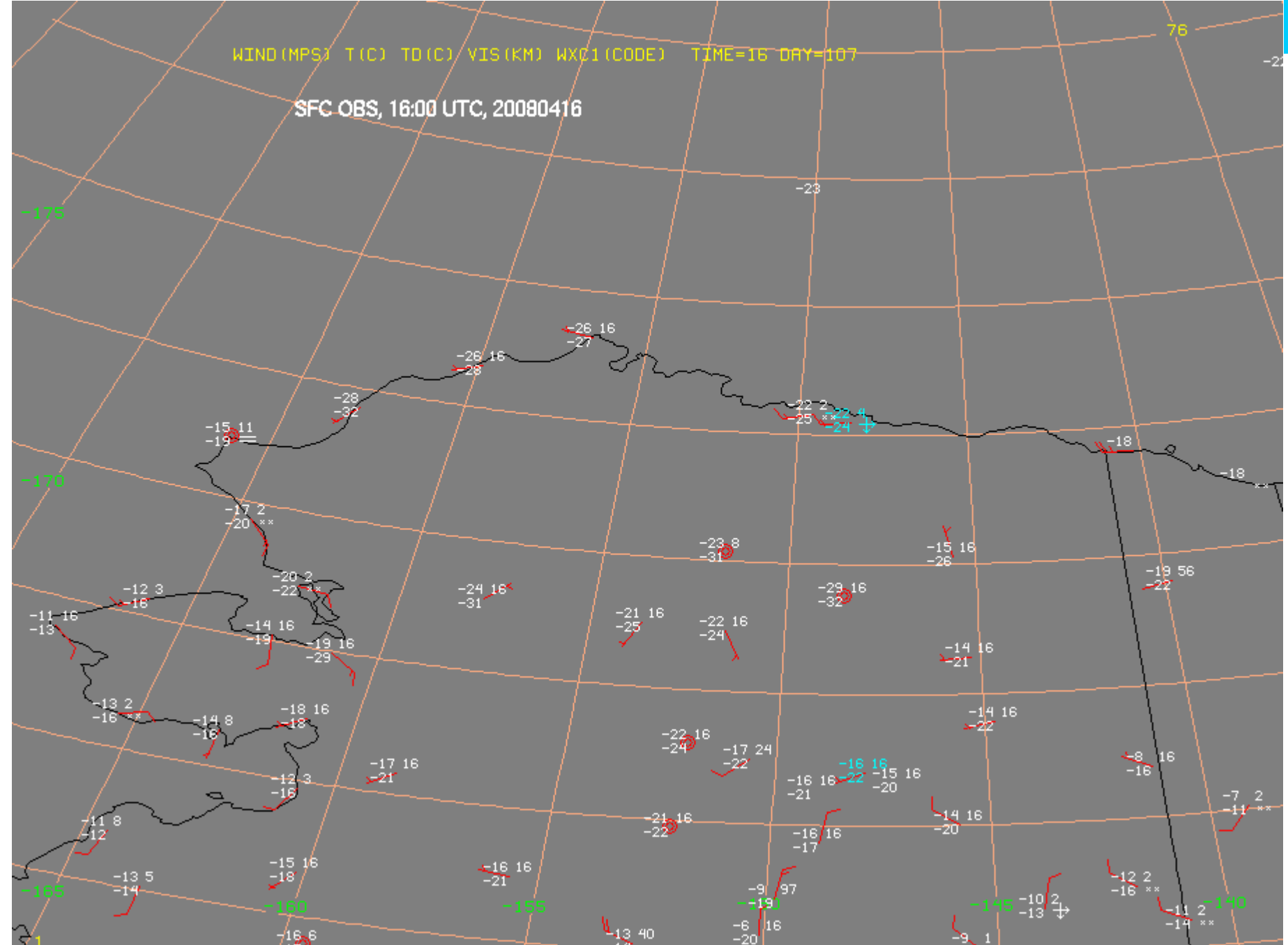


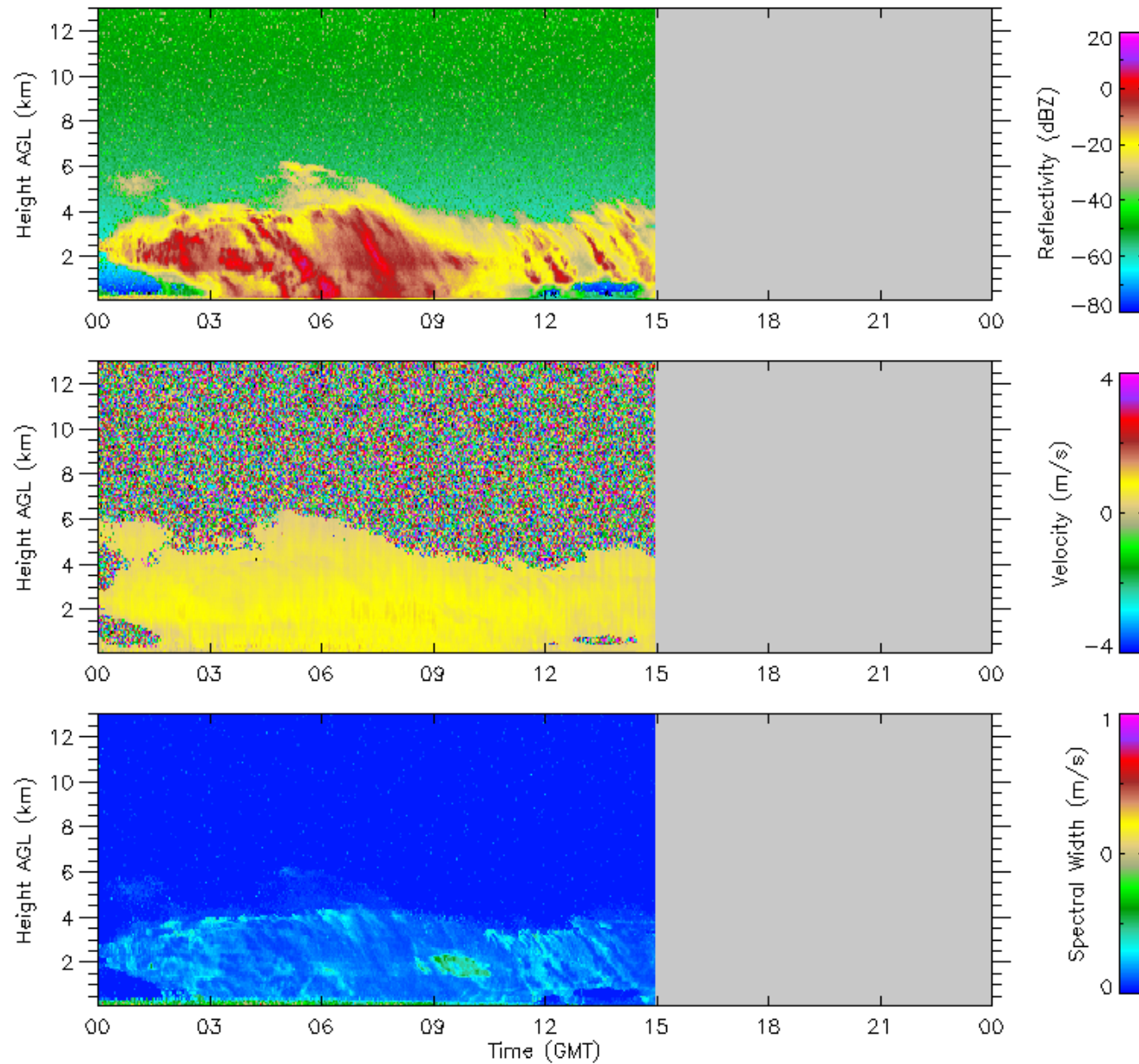
SFC OBS, 16:00 UTC, 20080416



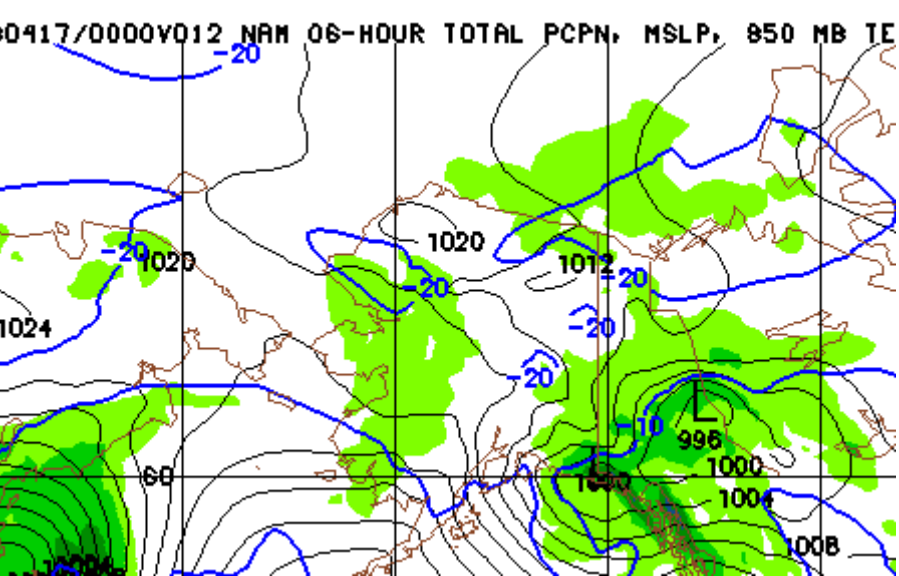
8:00 AM local time, 15 knot westerly winds and snow/blowing snow at Deadhorse



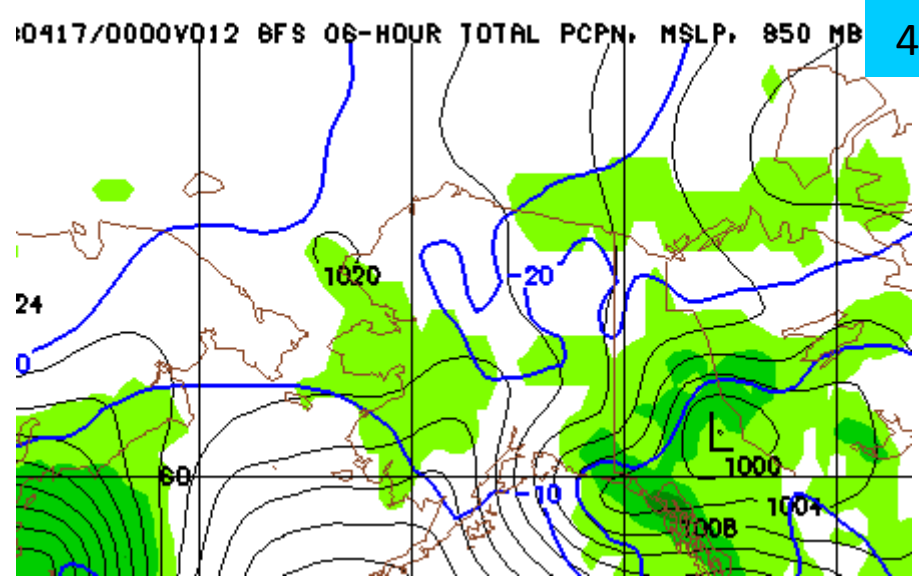
This morning's rawinsonde from Barrow.



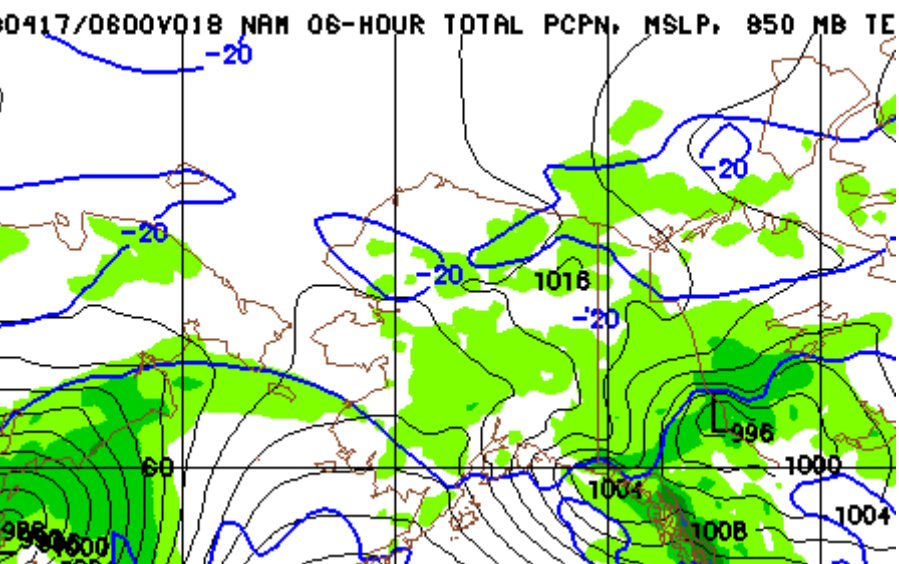
Cloud above Barrow, this morning.



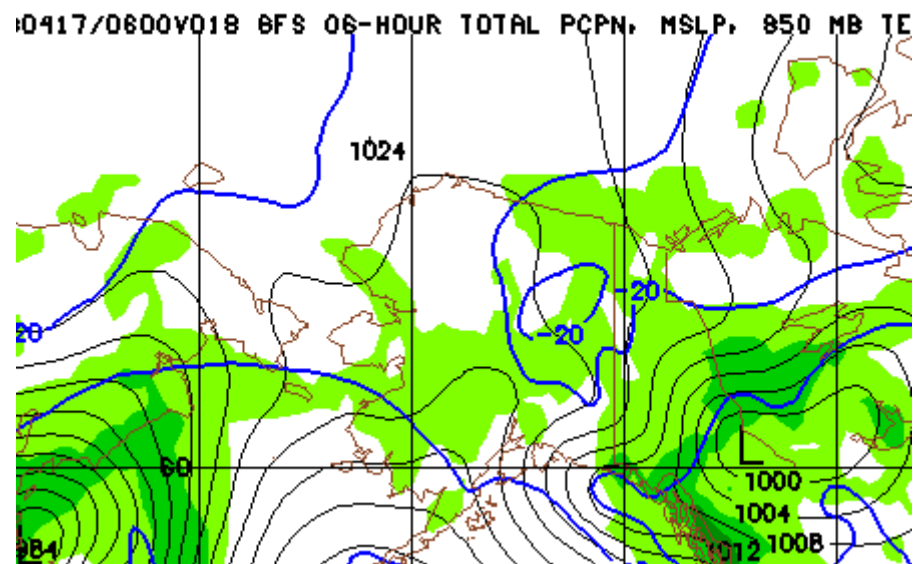
NAM, precip from 10:00 AM – 4:00 PM local



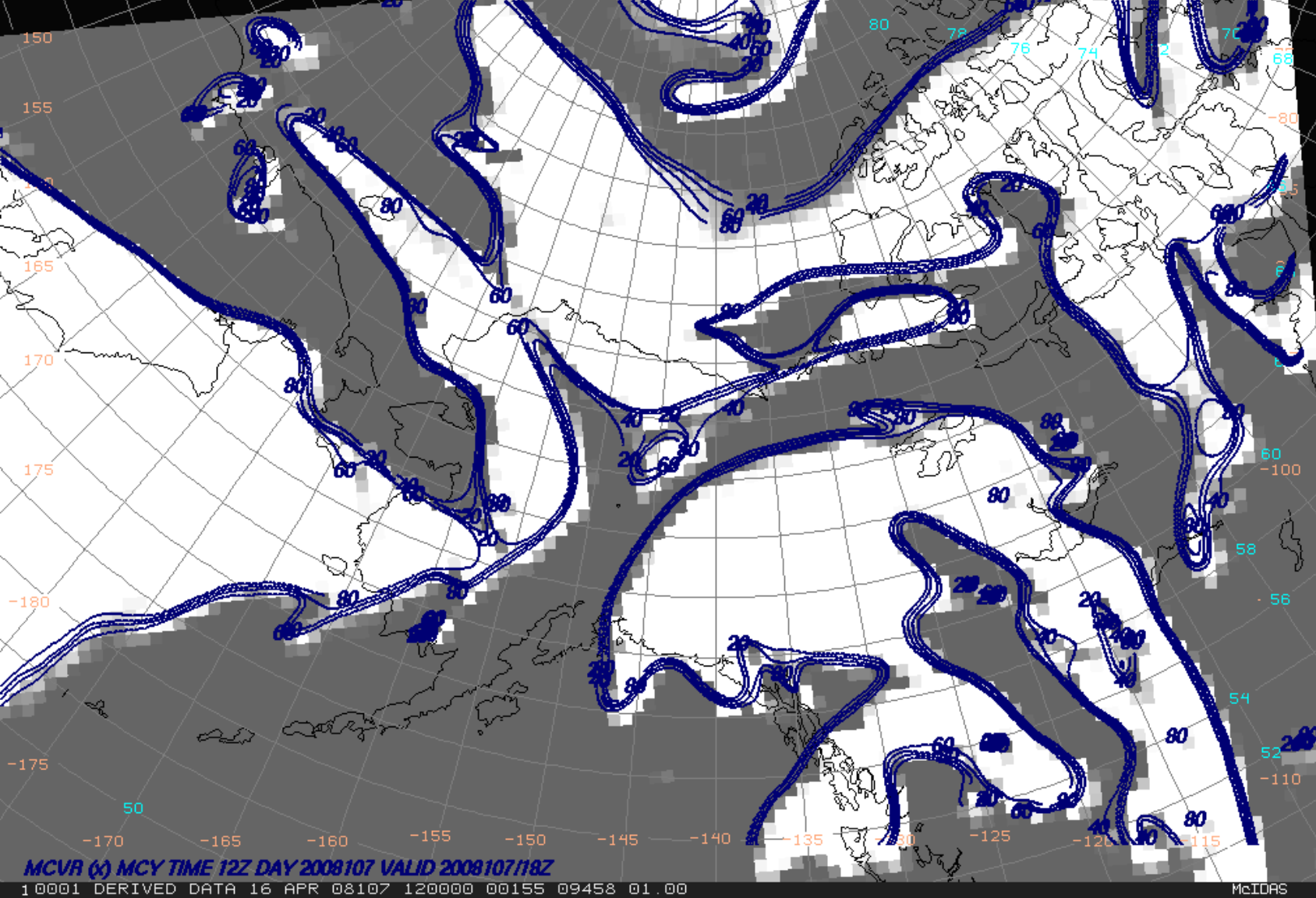
GFS, precip from 10:00 AM – 4:00 PM local



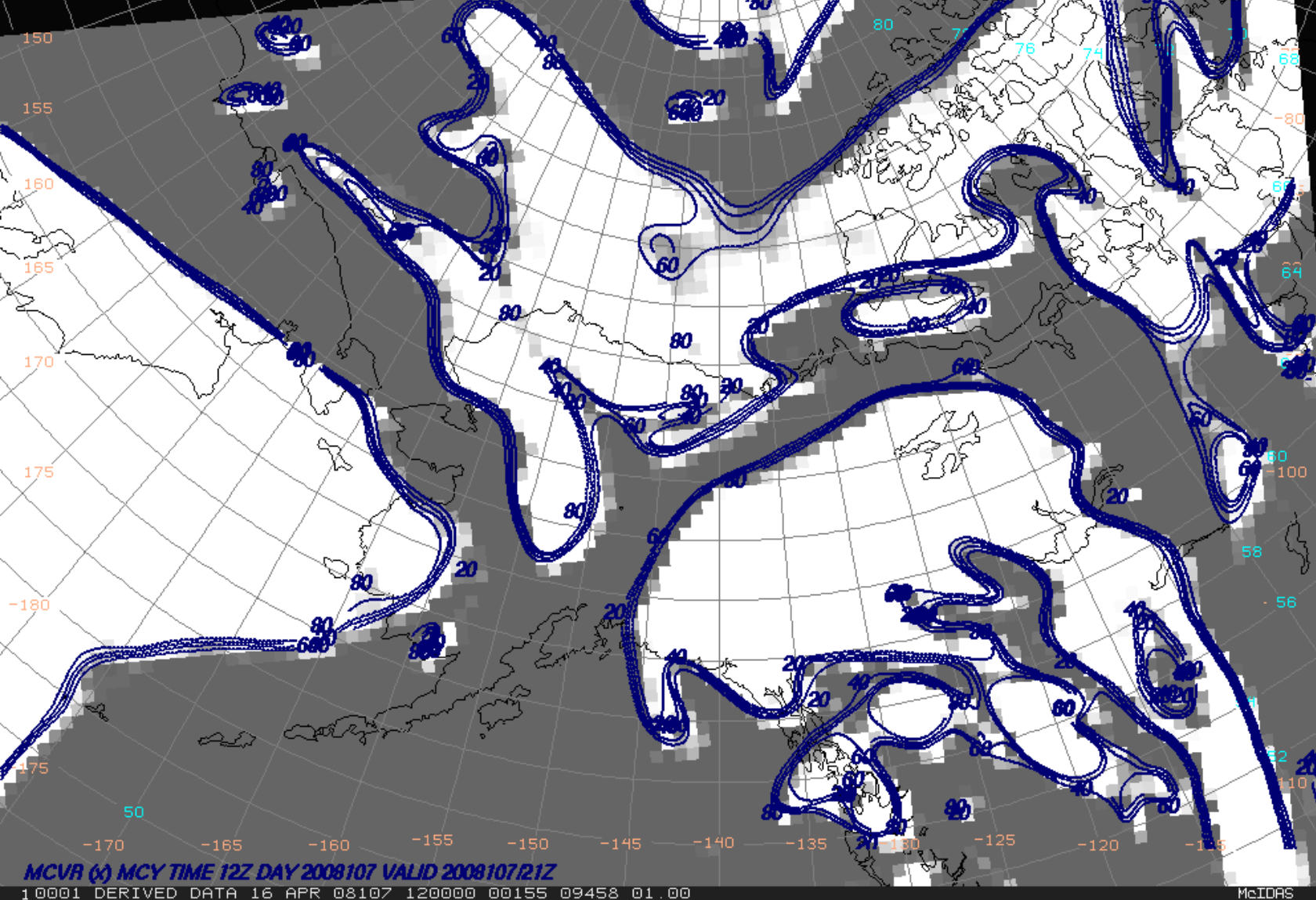
NAM, precip from 4:00 PM – 10:00 PM local



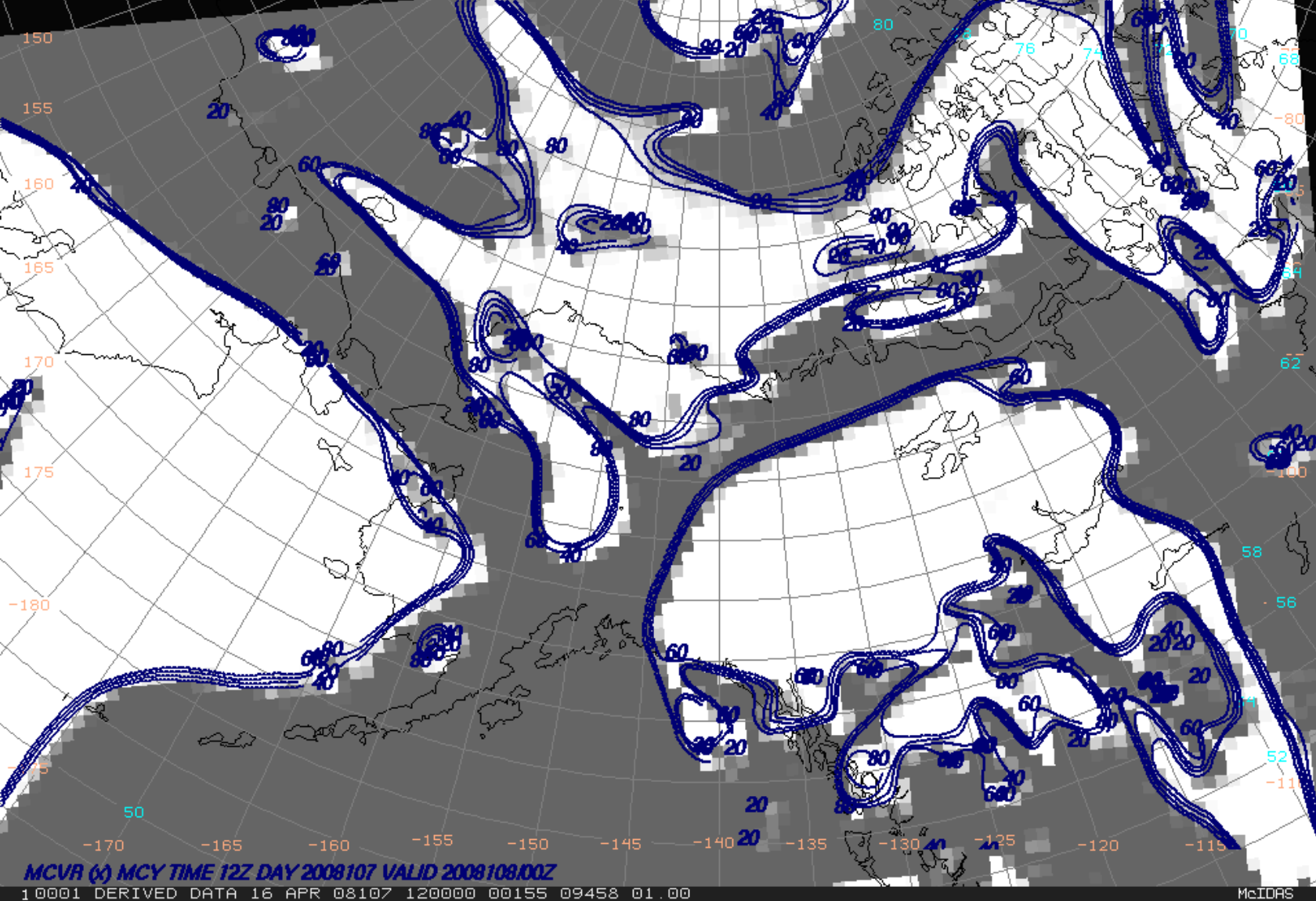
NAM, precip from 4:00 PM – 10:00 PM local



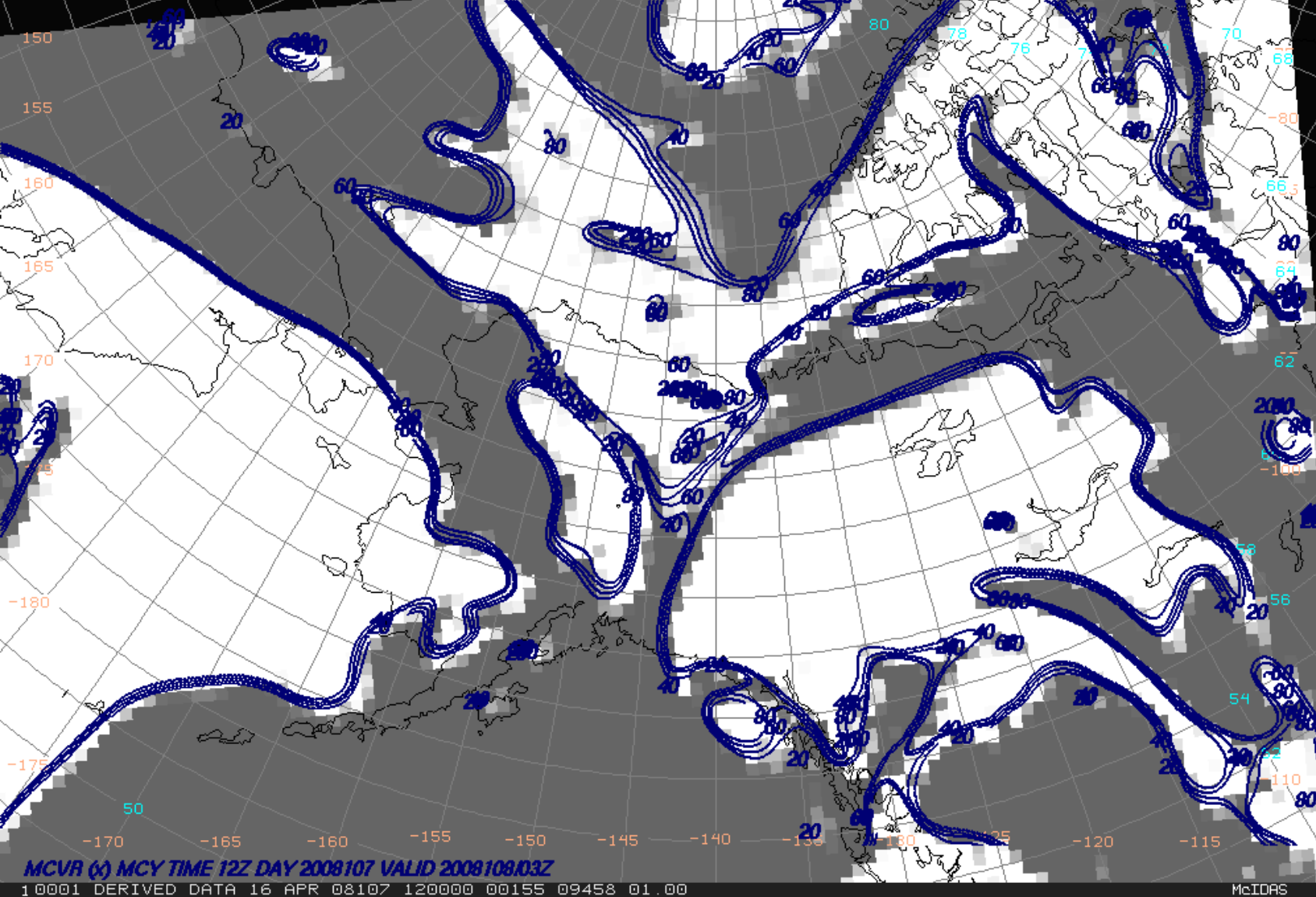
NAM mid-level cloud, 10:00 AM today



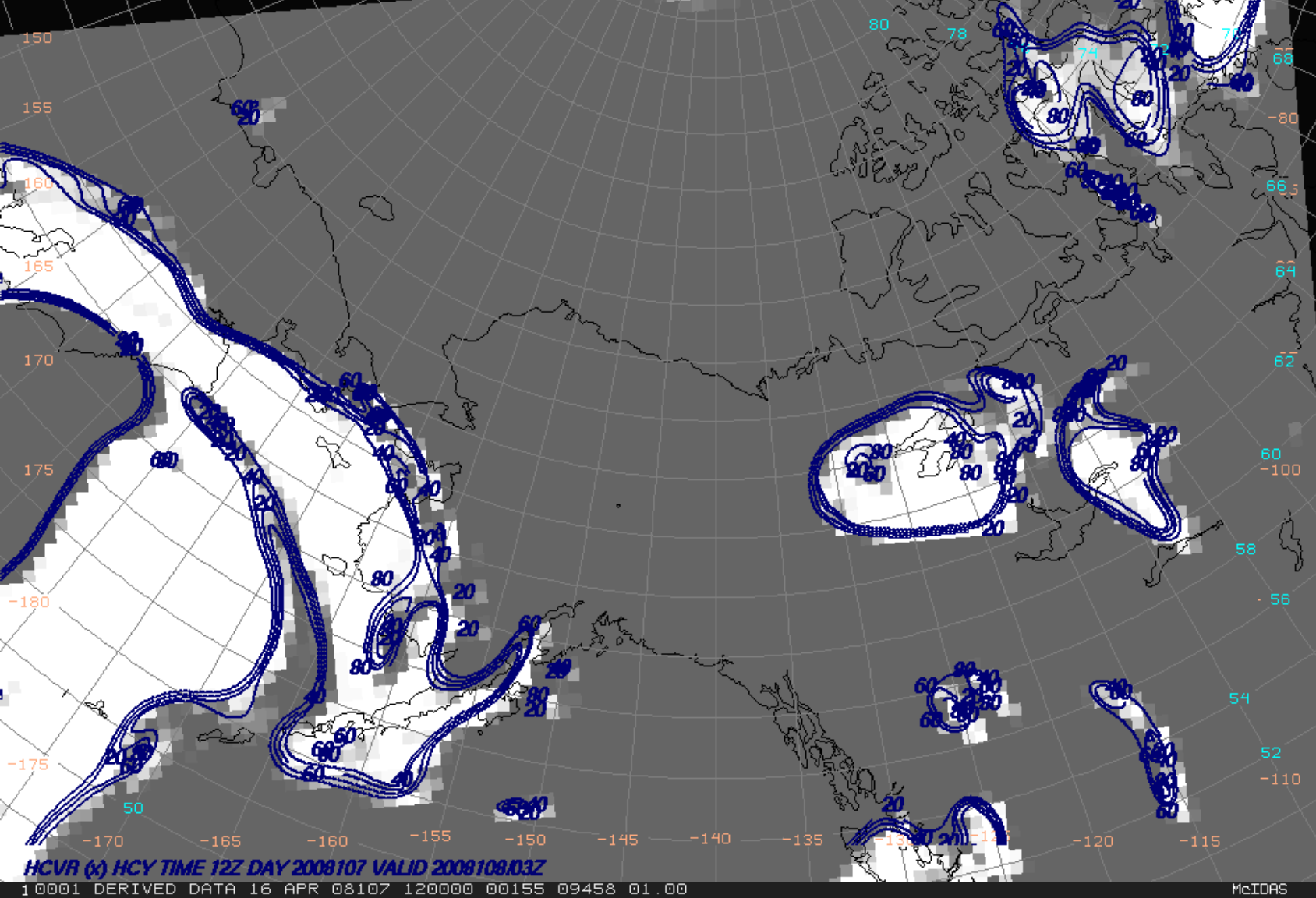
NAM mid-level cloud, 1:00 PM today



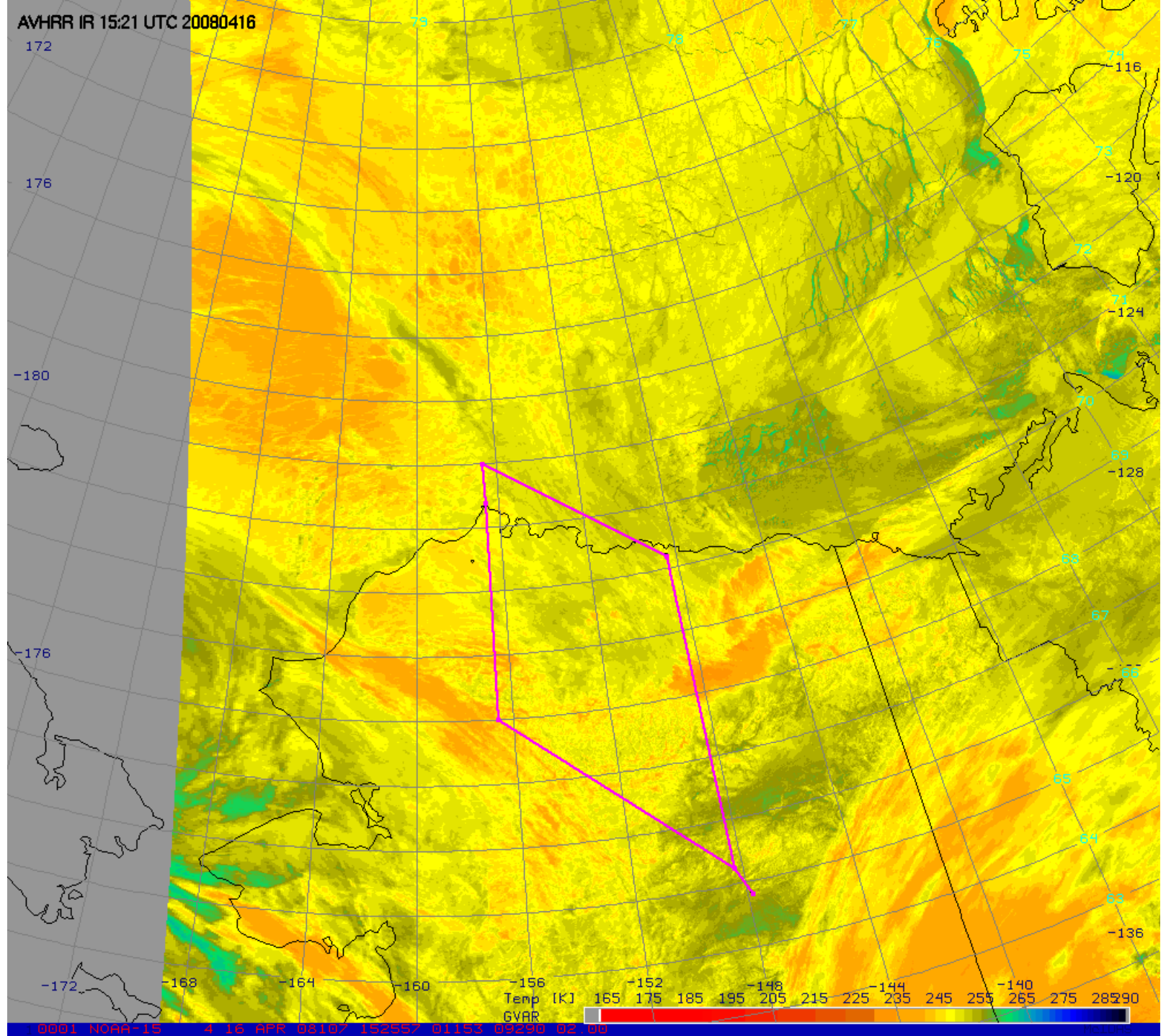
NAM mid-level cloud, 4:00 PM today

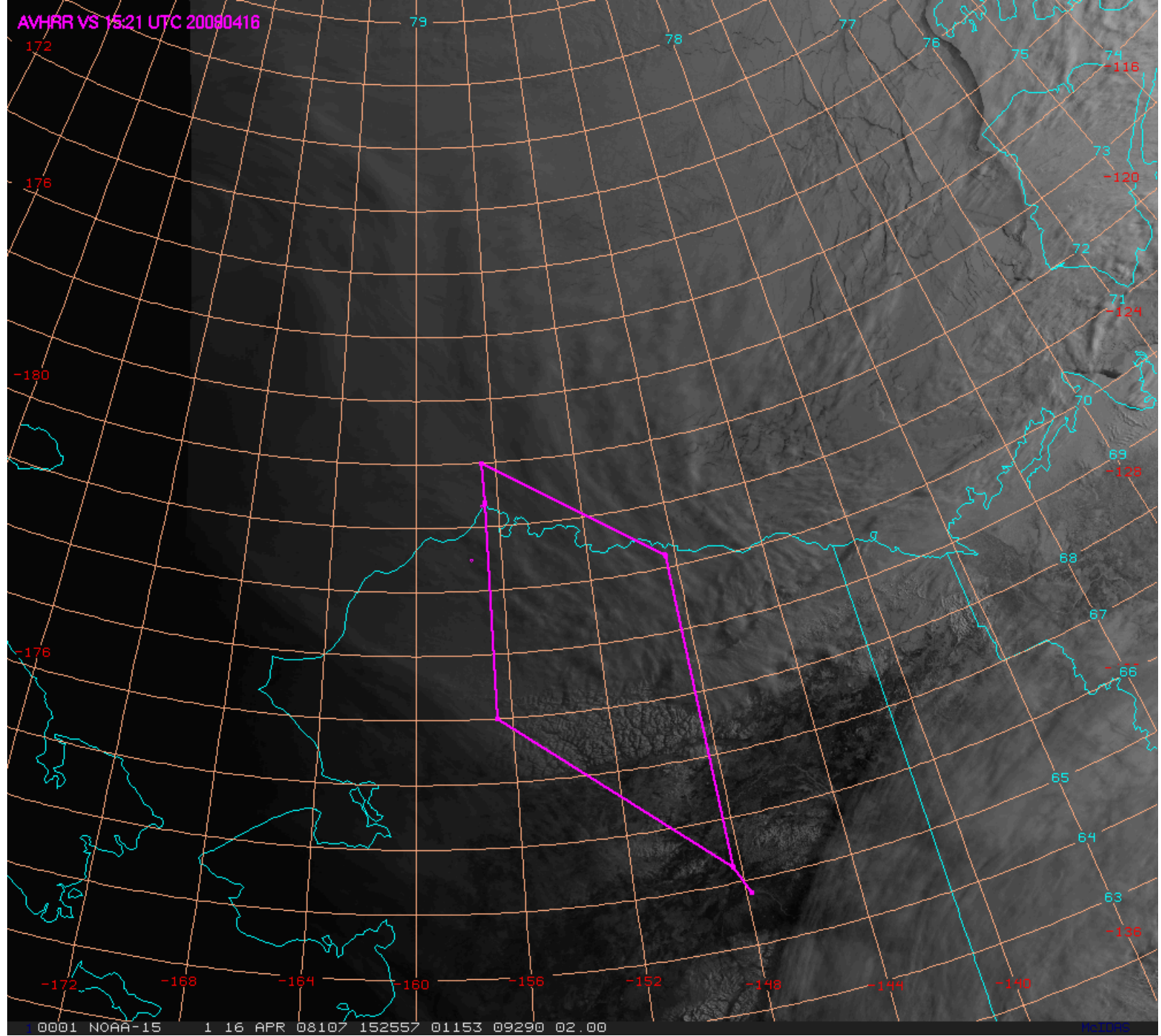


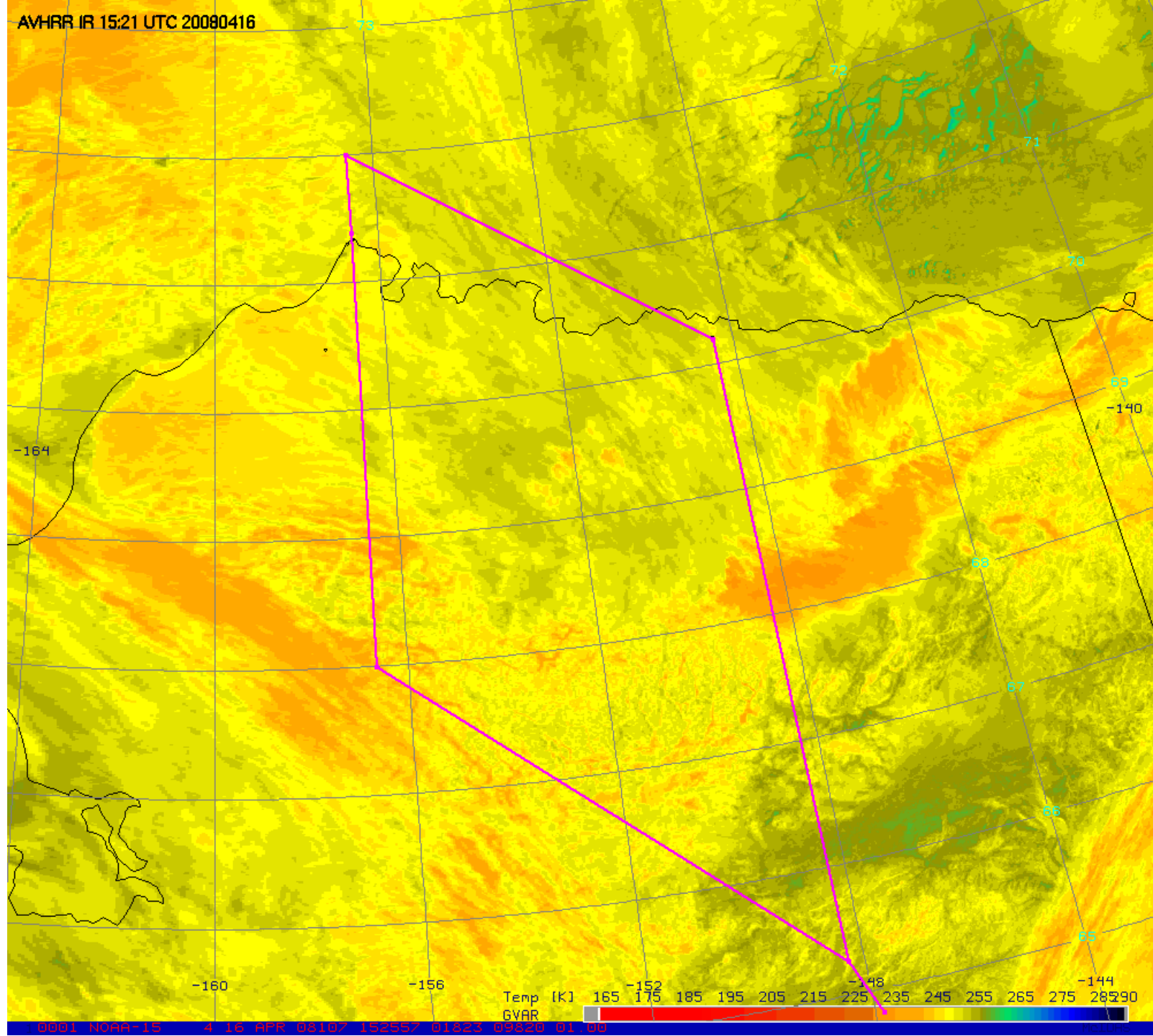
NAM mid-level cloud, 7:00 PM today

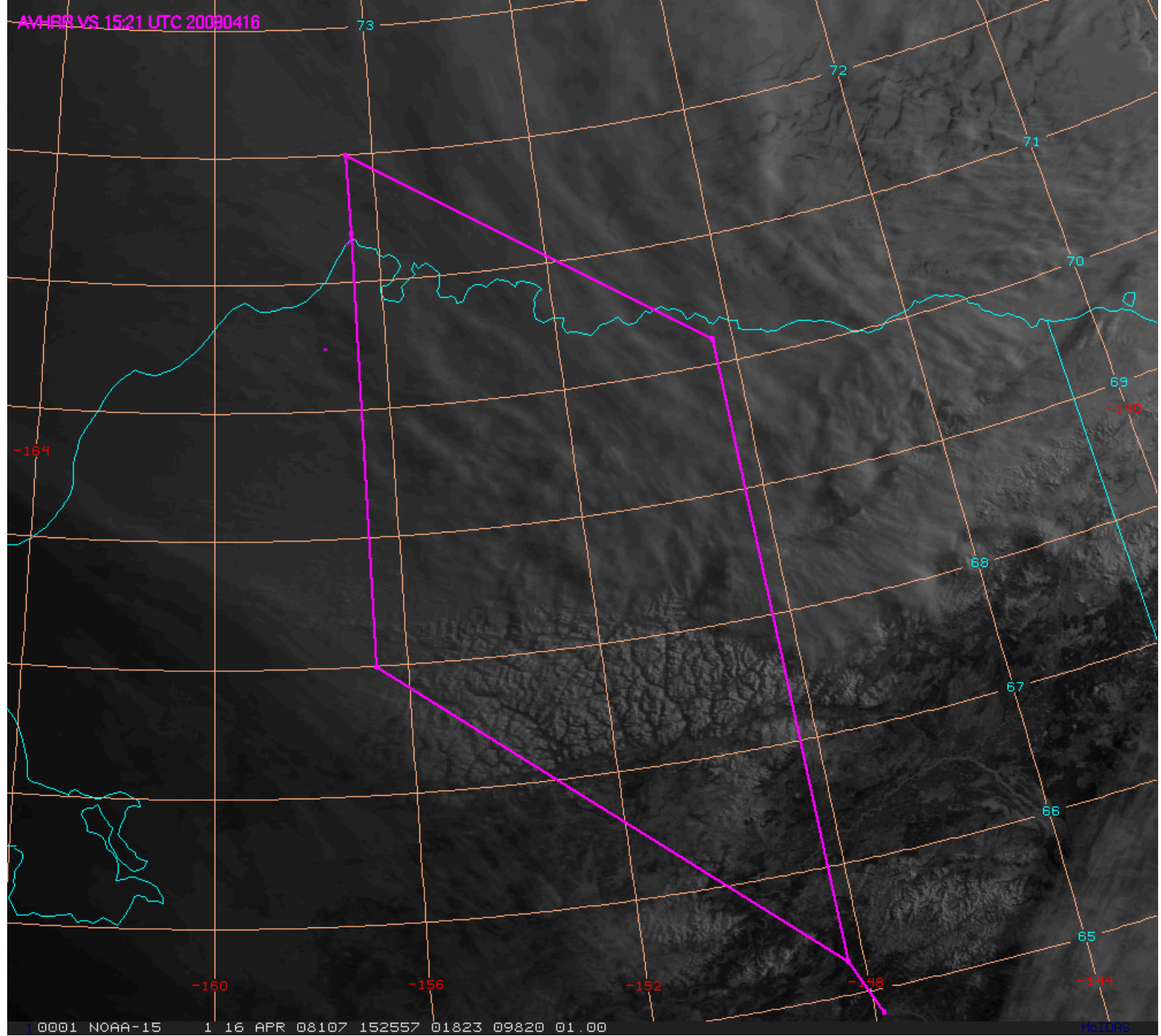


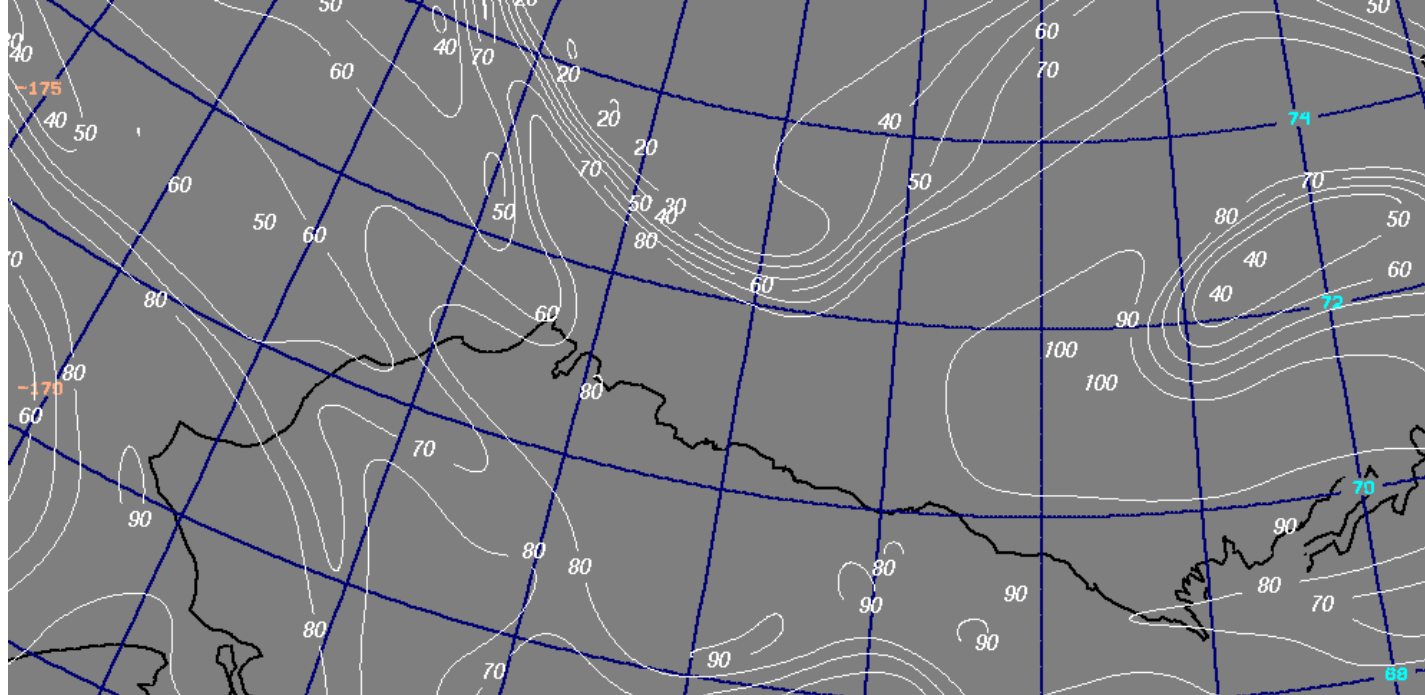
NAM high-level cloud, 7:00 PM today



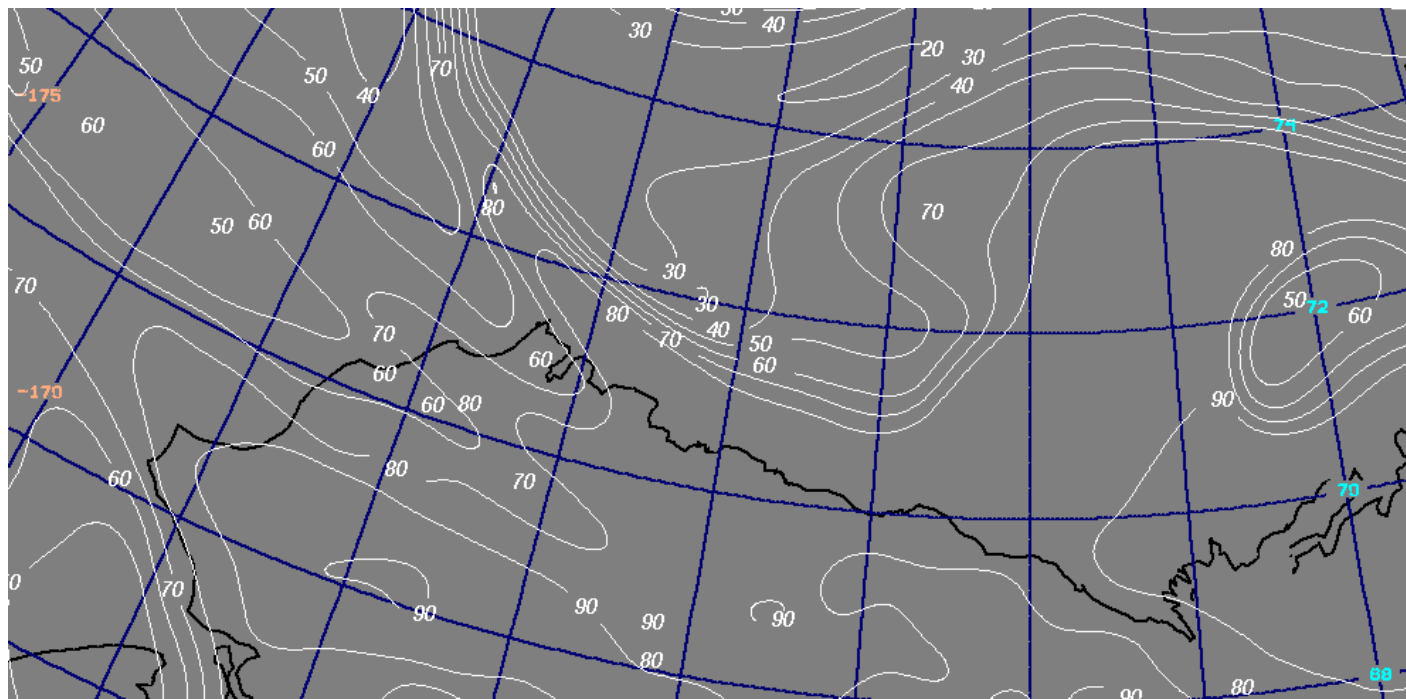




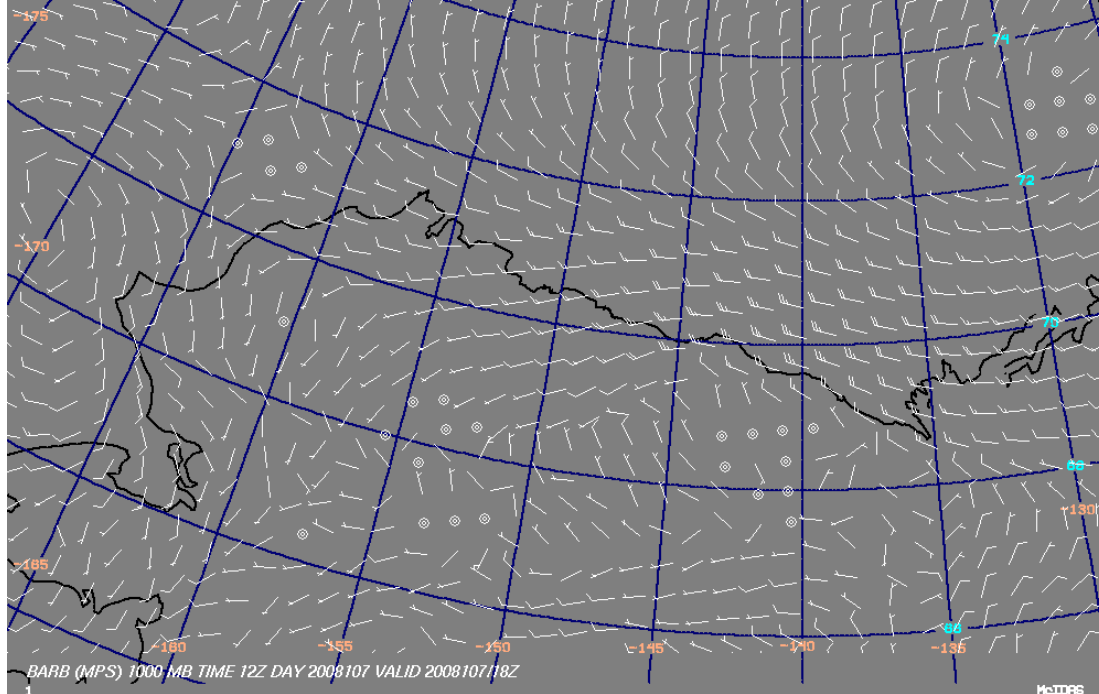




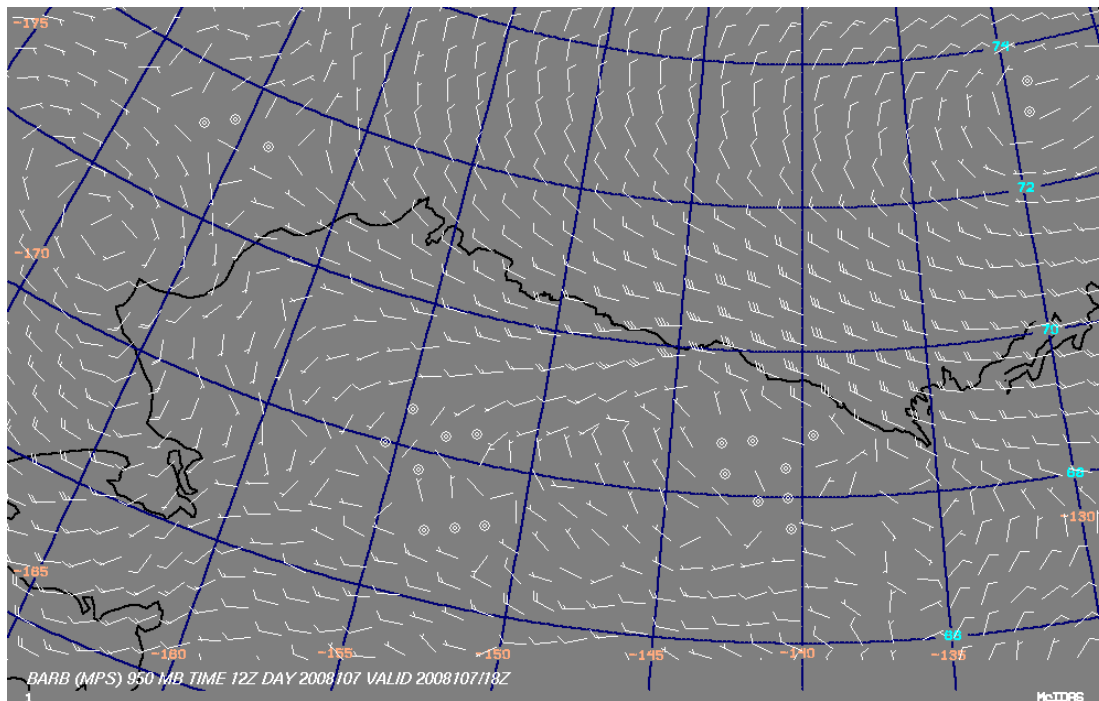
NAM 850 hPa RH,
10:00 AM Local



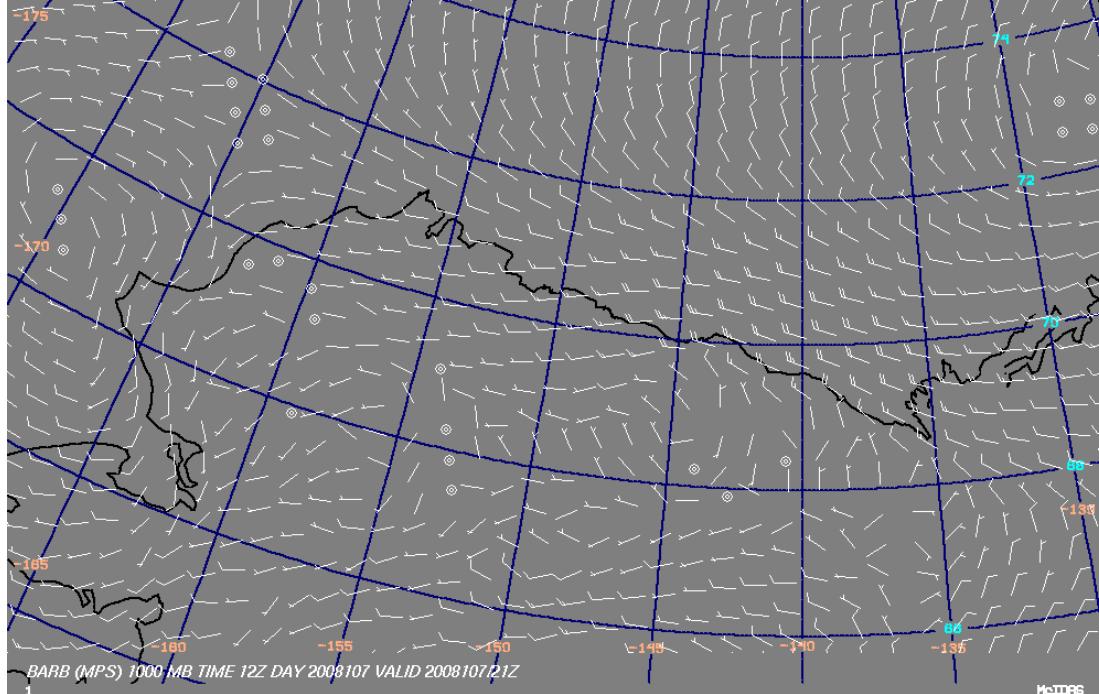
NAM 850 hPa RH, 7
PM Local



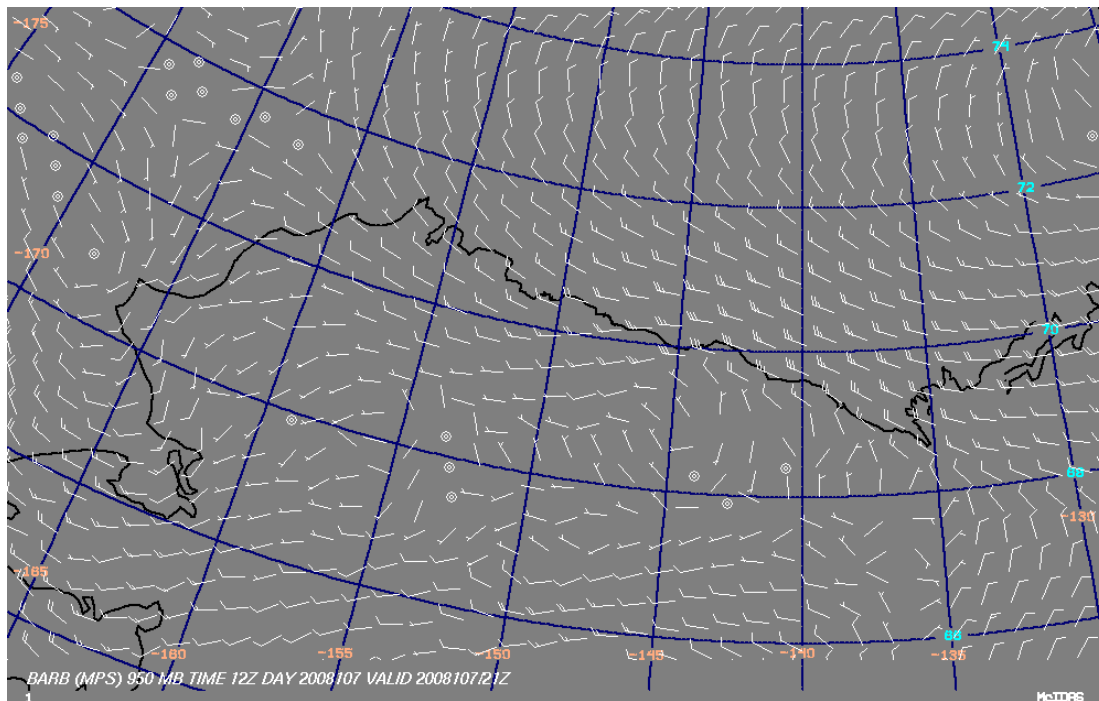
NAM 1000 hPA
winds, 10:00 AM
Local



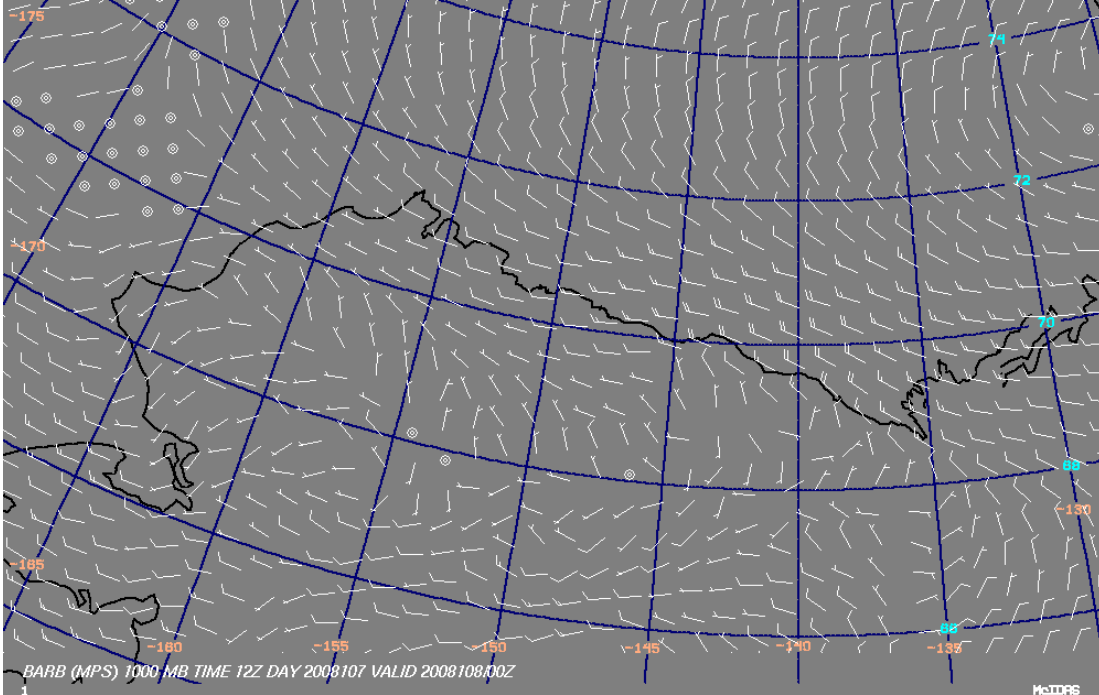
NAM 950 hPA winds,
10:00 AM
Local



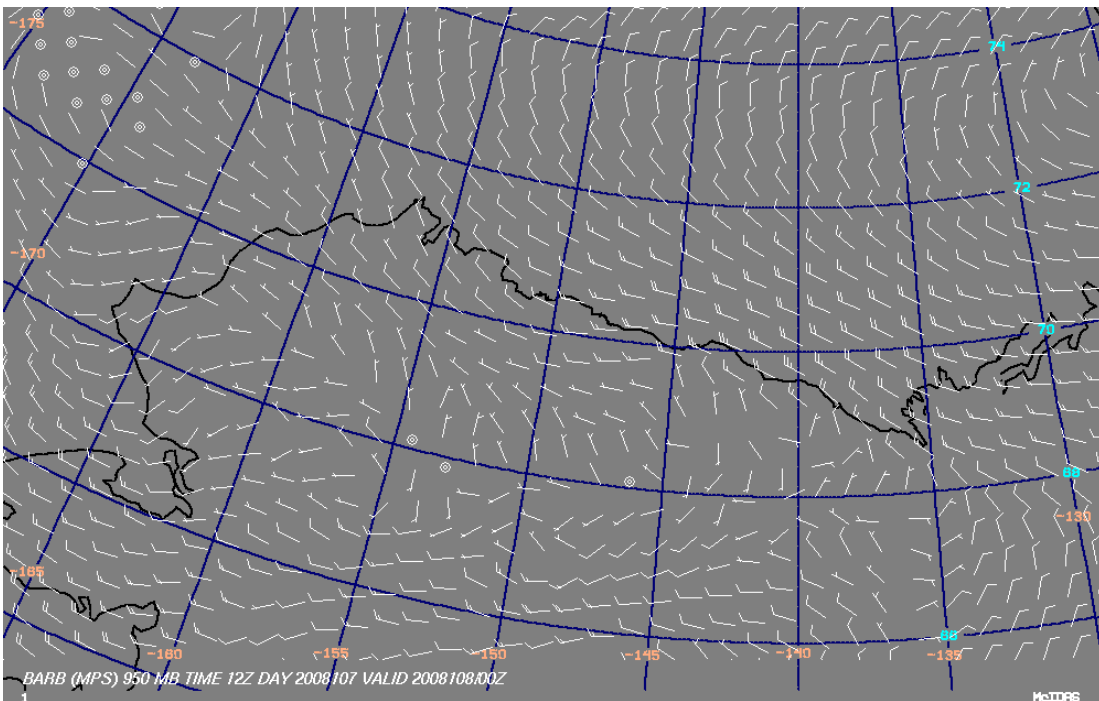
NAM 1000 hPA
winds, 1:00 PM
Local



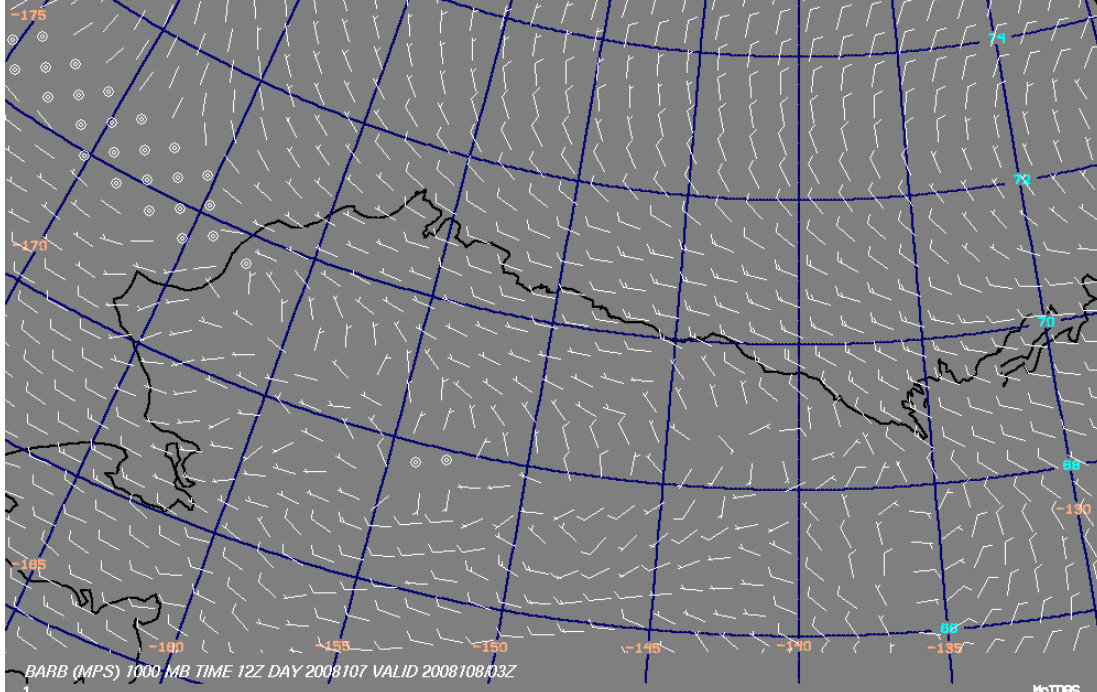
NAM 950 hPA winds,
1:00 PM
Local



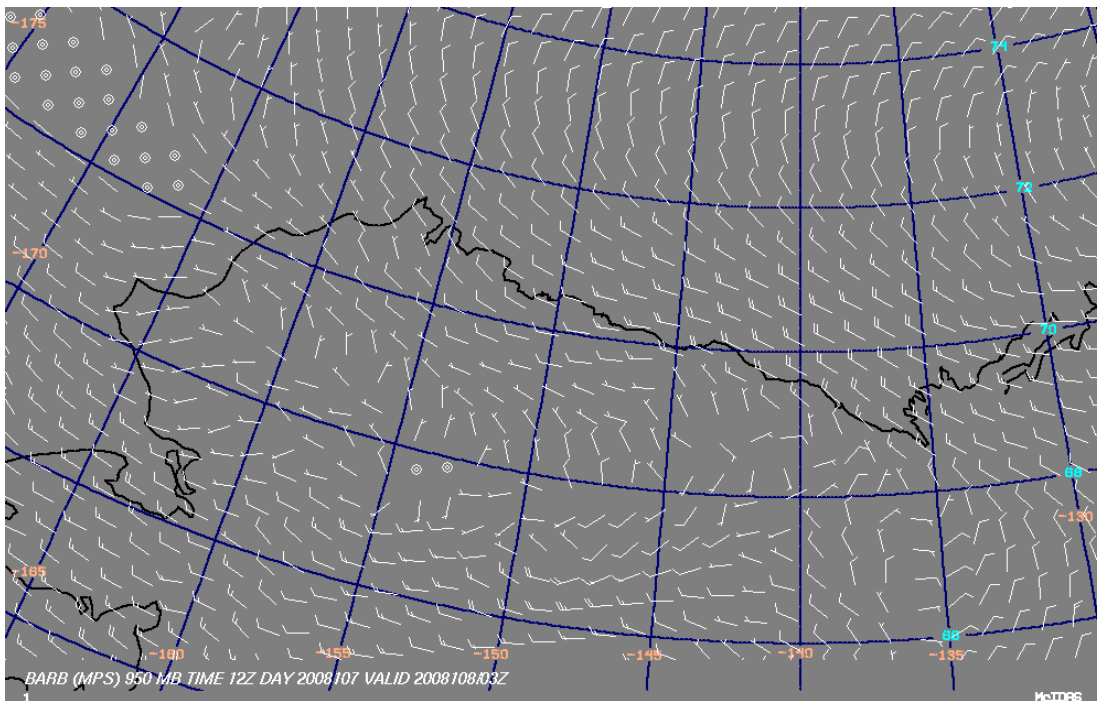
NAM 1000 hPA
winds, 4:00 PM
Local



NAM 950 hPA winds,
4:00 PM
Local



NAM 1000 hPA
winds, 7:00 PM
Local



NAM 950 hPA winds,
7:00 PM
Local

348 AM ADT WED APR 16 2008

TODAY...MOSTLY CLOUDY. FLURRIES IN THE AFTERNOON. PATCHY FOG. HIGHS AROUND 25. WEST WINDS 10 TO 20 MPH DEVELOPING AROUND NOON. WEST WINDS 15 TO 30 MPH.

.TONIGHT...CLOUDY. SCATTERED SNOW SHOWERS. PATCHY FOG. LOWS 5 TO 10. WEST WINDS 10 TO 15 MPH.

THURSDAY...MOSTLY CLOUDY. FLURRIES IN THE MORNING...THEN A CHANCE OF SNOW IN THE AFTERNOON. PATCHY FOG. HIGHS AROUND 30. SOUTHWEST WINDS TO 10 MPH.

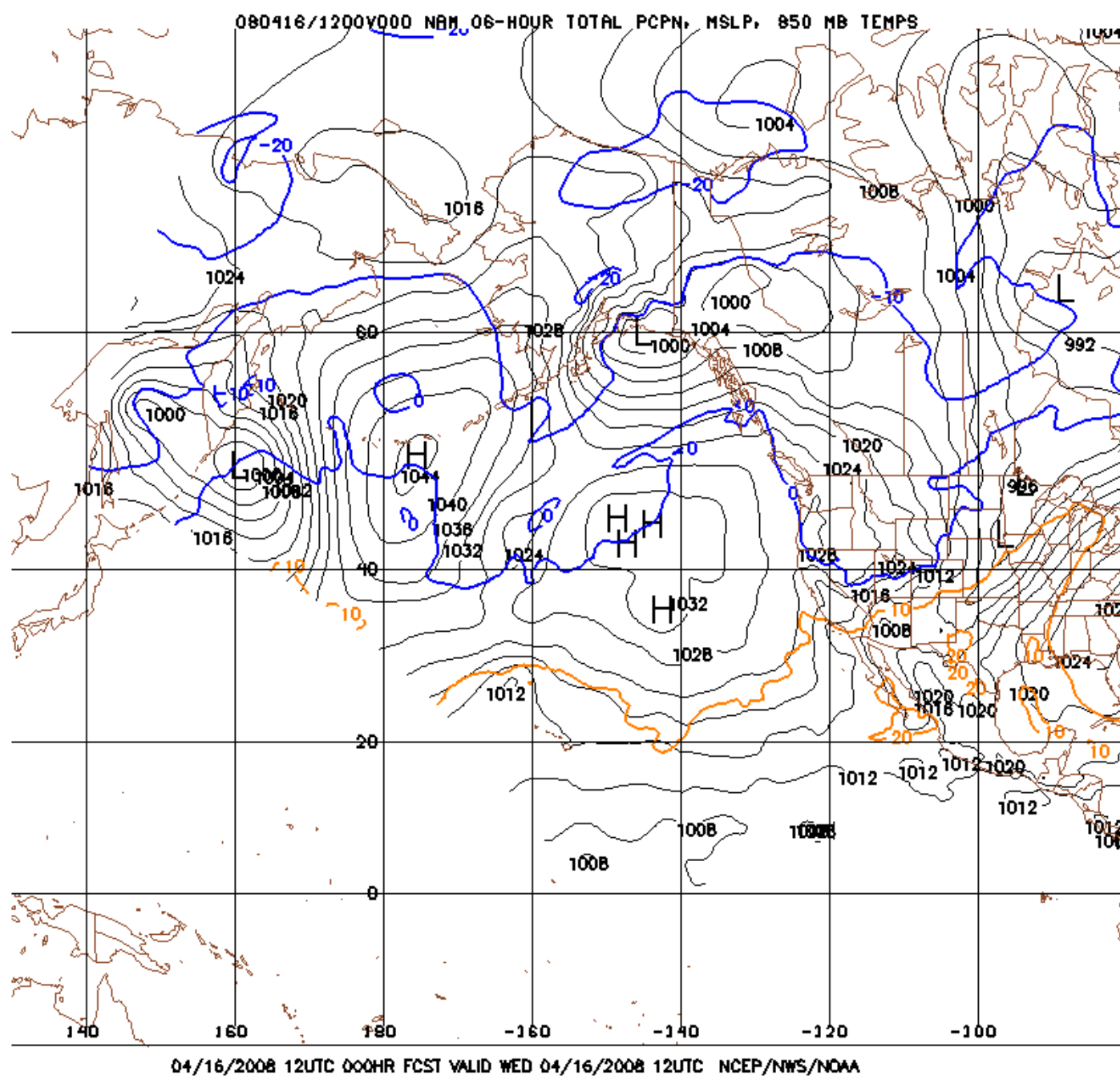
.THURSDAY NIGHT...MOSTLY CLOUDY. CHANCE OF SNOW. LOWS 10 TO 15. SOUTH WINDS AROUND 10 MPH.

FRIDAY...MOSTLY CLOUDY. CHANCE OF SNOW IN THE MORNING. HIGHS 35 TO 40. LIGHT WINDS. **.FRIDAY NIGHT...**MOSTLY CLOUDY. LOWS NEAR 20.

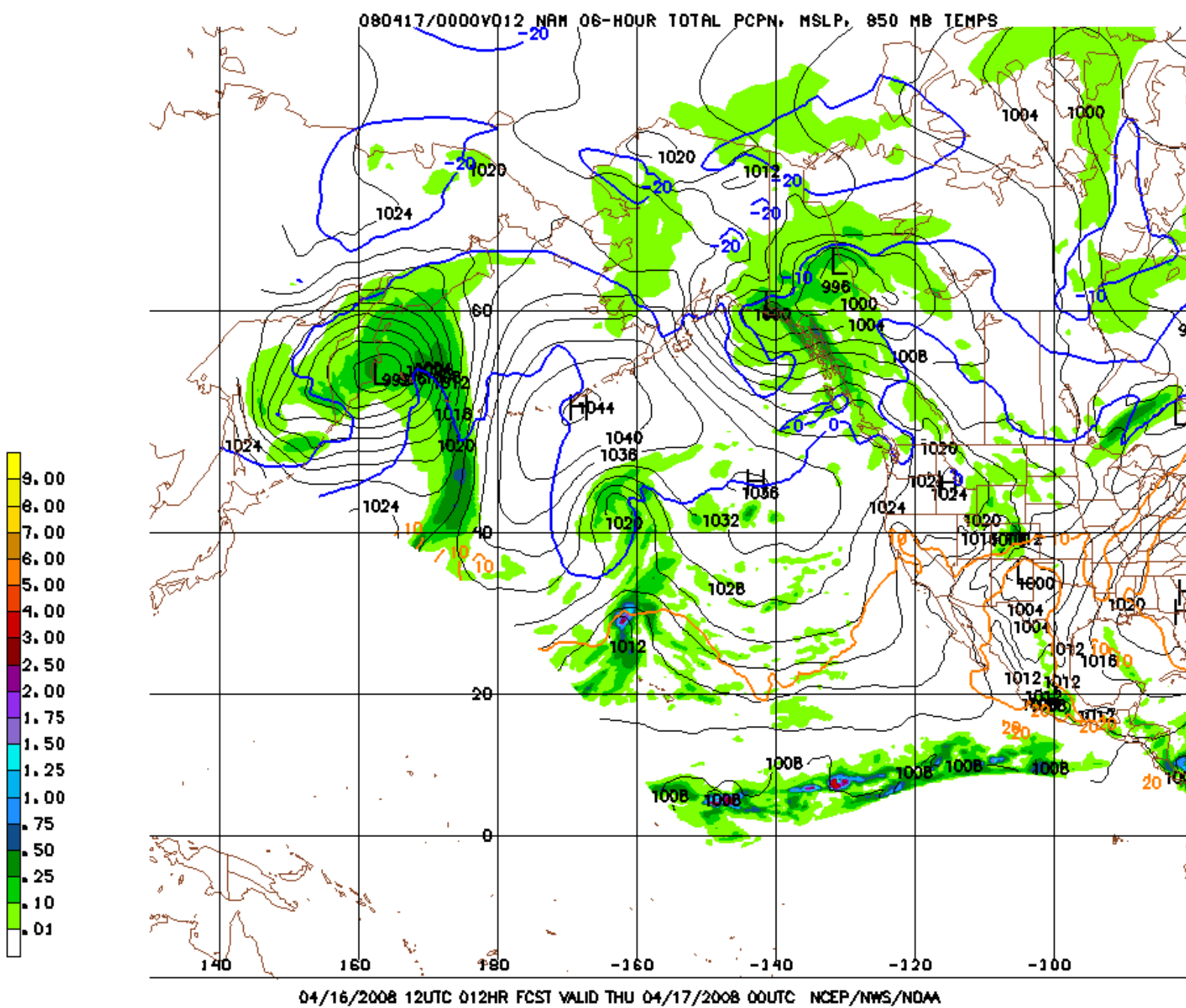
SATURDAY...MOSTLY CLOUDY. HIGHS NEAR 45. **.SATURDAY NIGHT...**PARTLY CLOUDY. LOWS NEAR 25.

SUNDAY...PARTLY CLOUDY. HIGHS NEAR 50. **SUNDAY NIGHT...**PARTLY CLOUDY. LOWS NEAR 25.

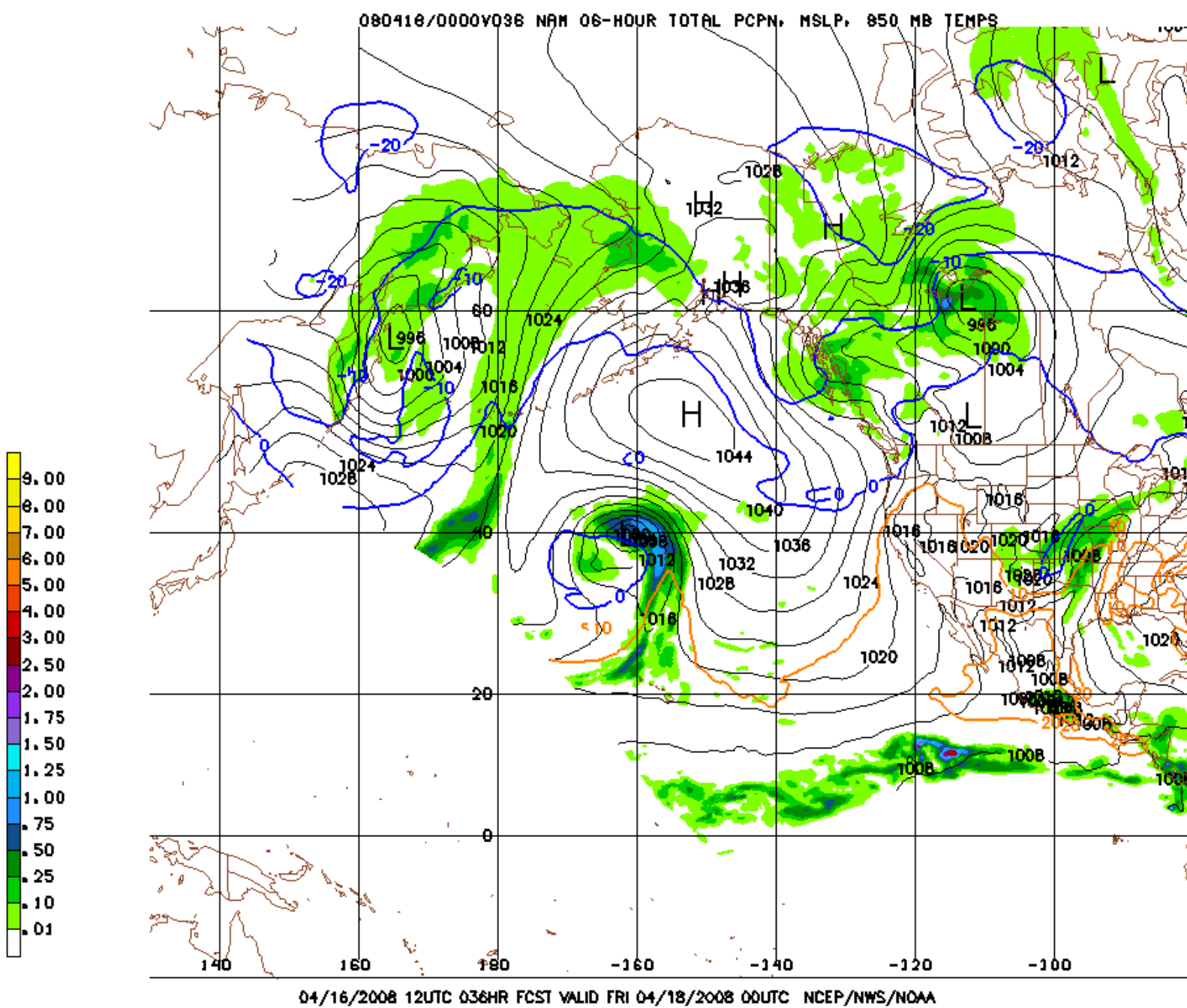
MONDAY...PARTLY CLOUDY. HIGHS NEAR 50.



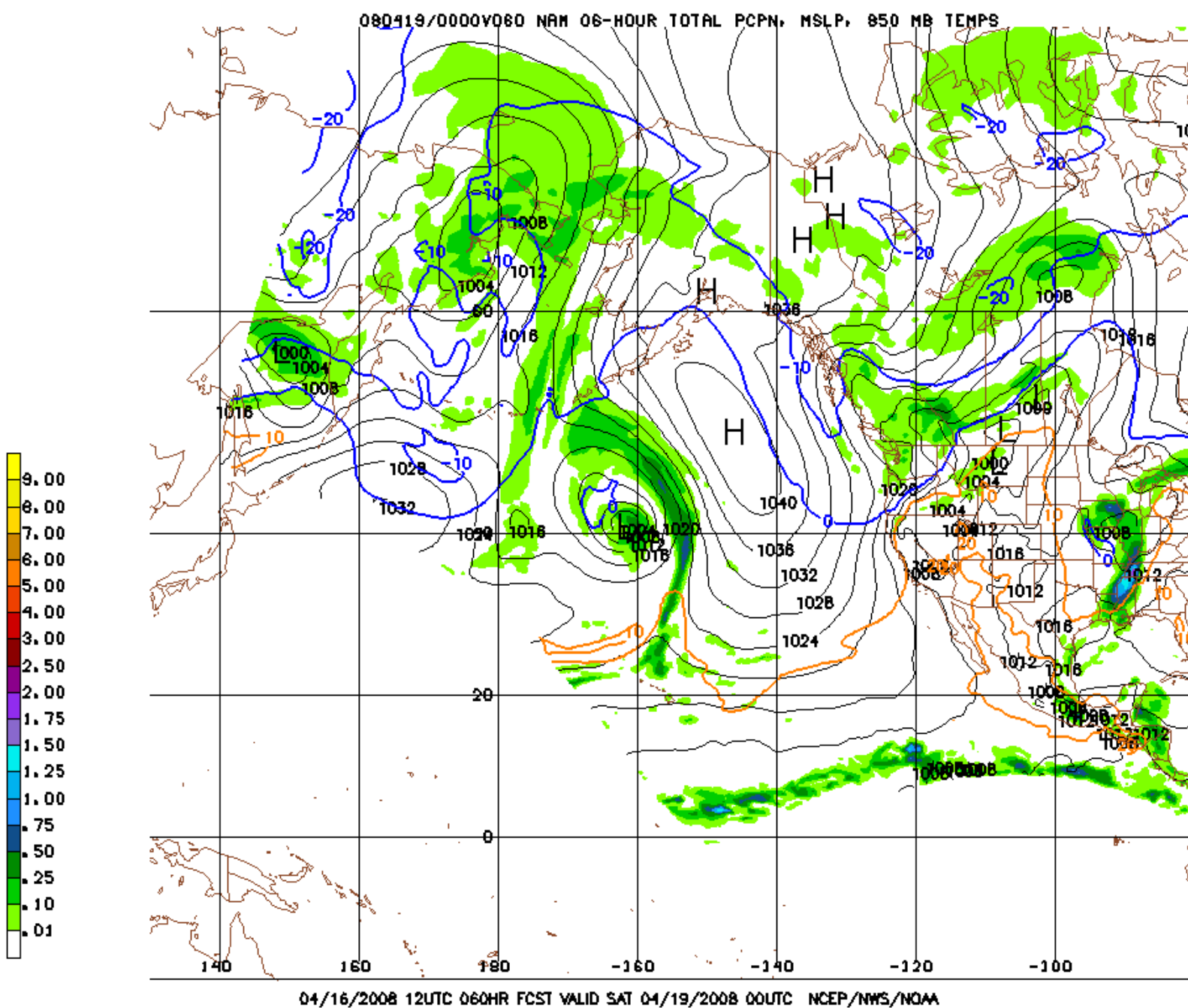
4:00 AM local, Wednesday



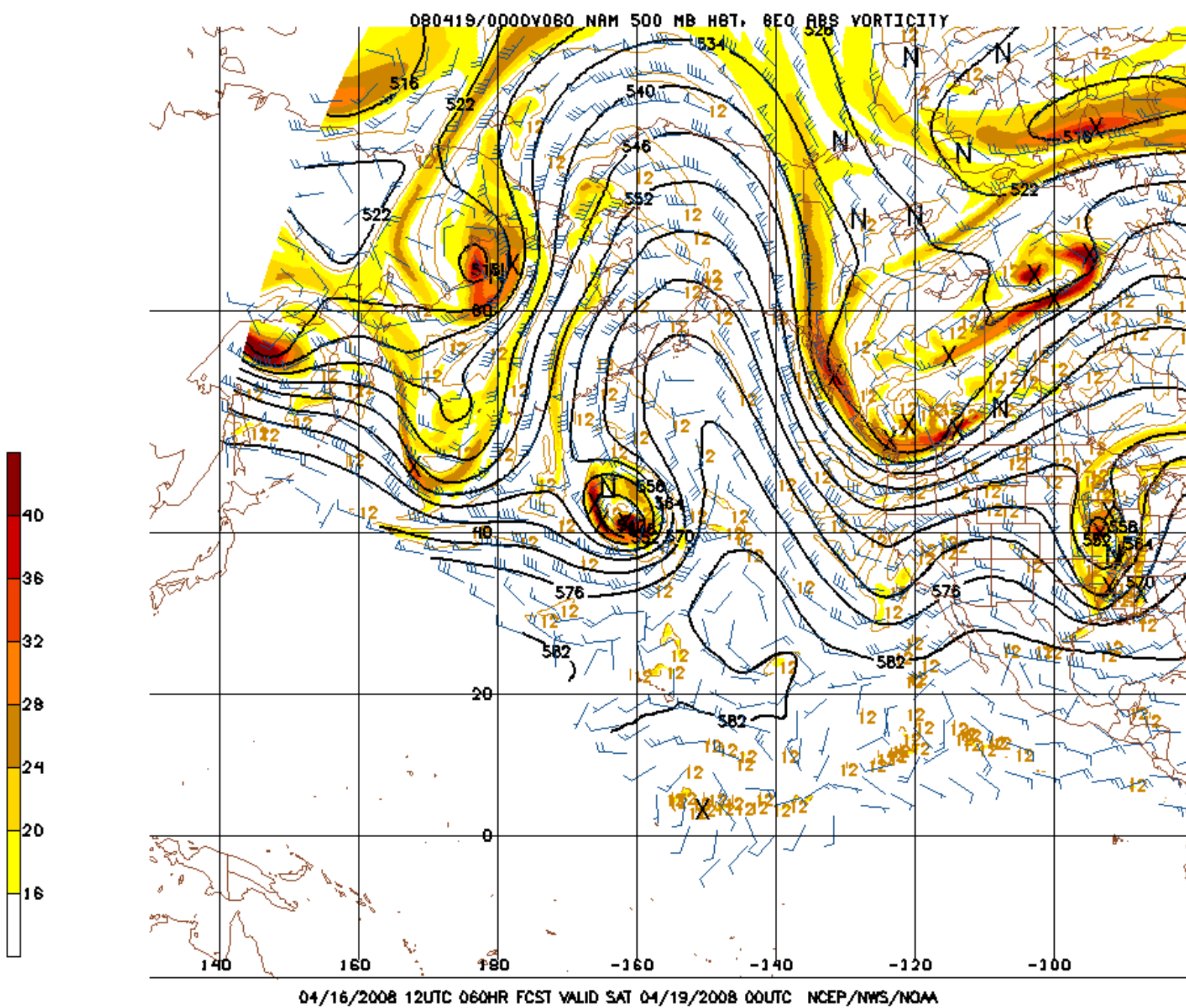
4:00 PM local, Wednesday



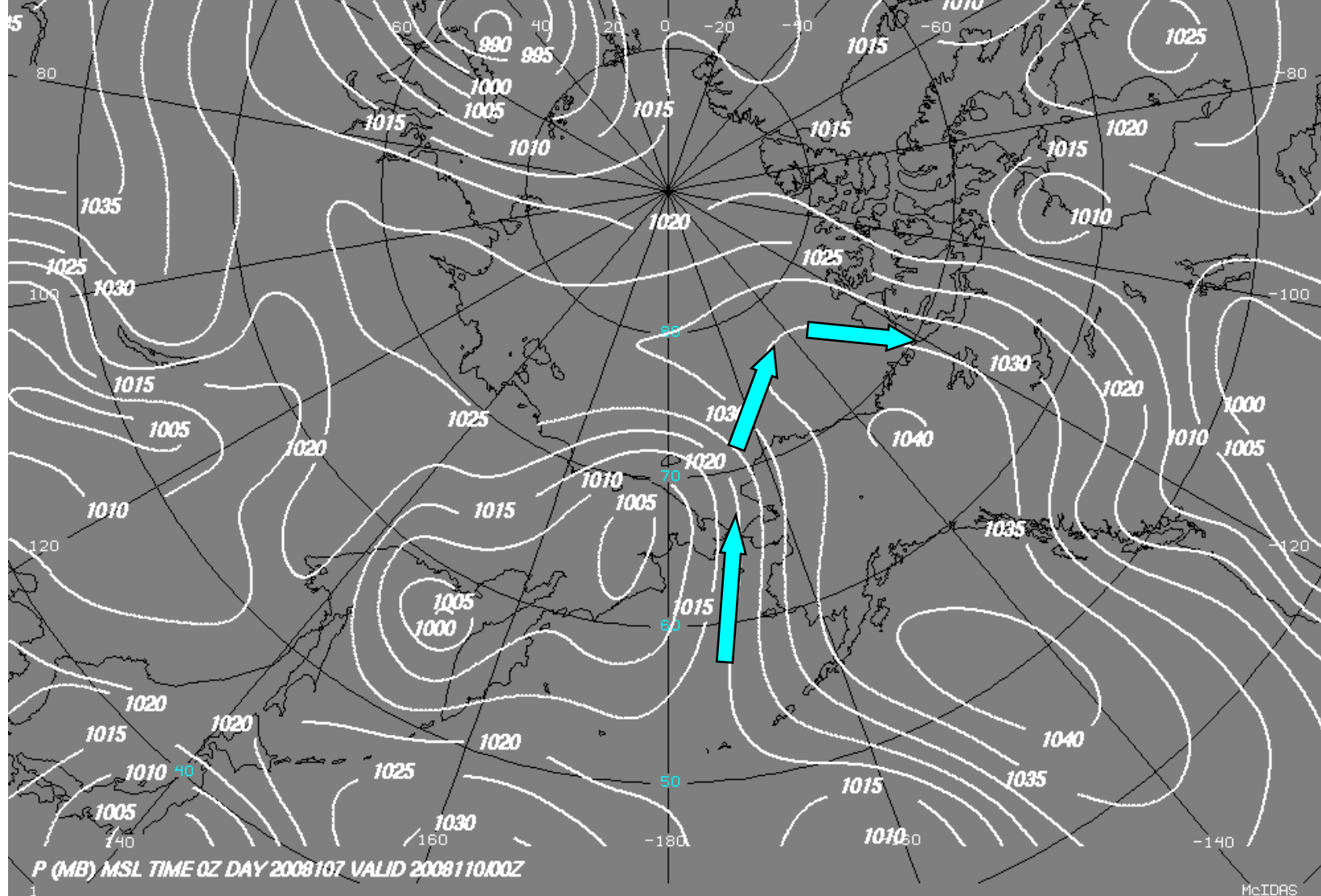
4:00 PM local, Thursday



4:00 PM local, Friday

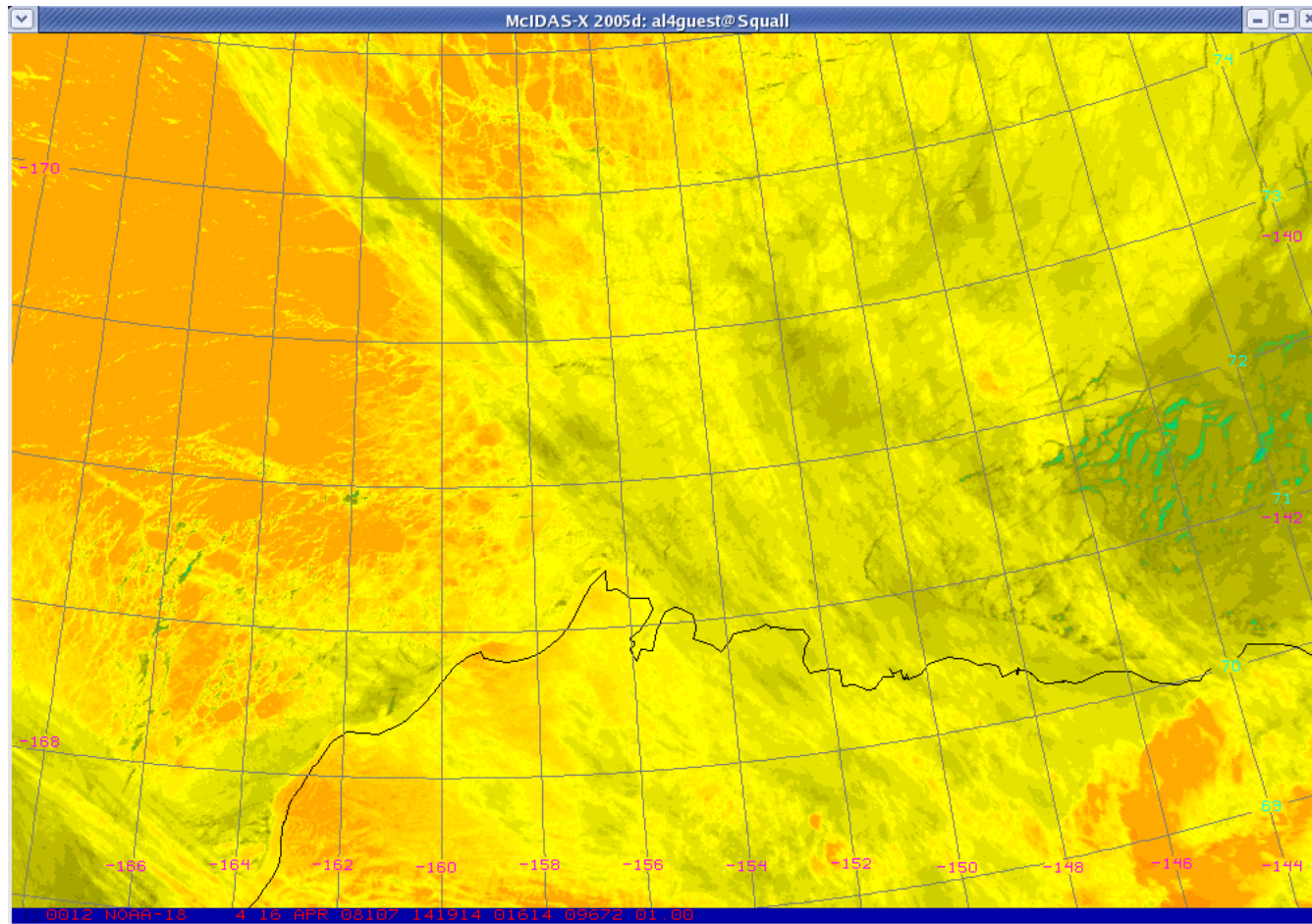


4:00 PM local, Friday

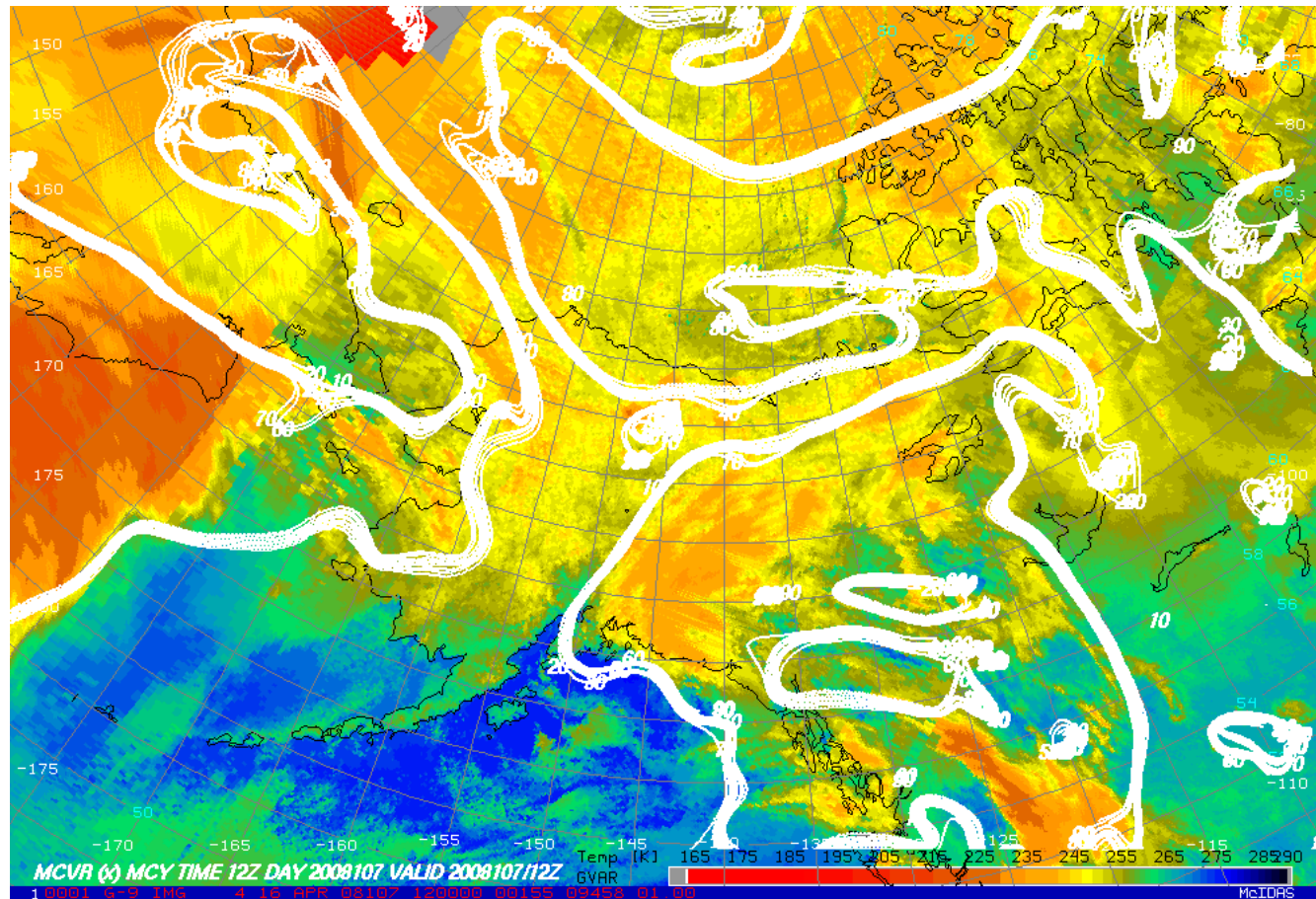


4:00 PM local, Friday

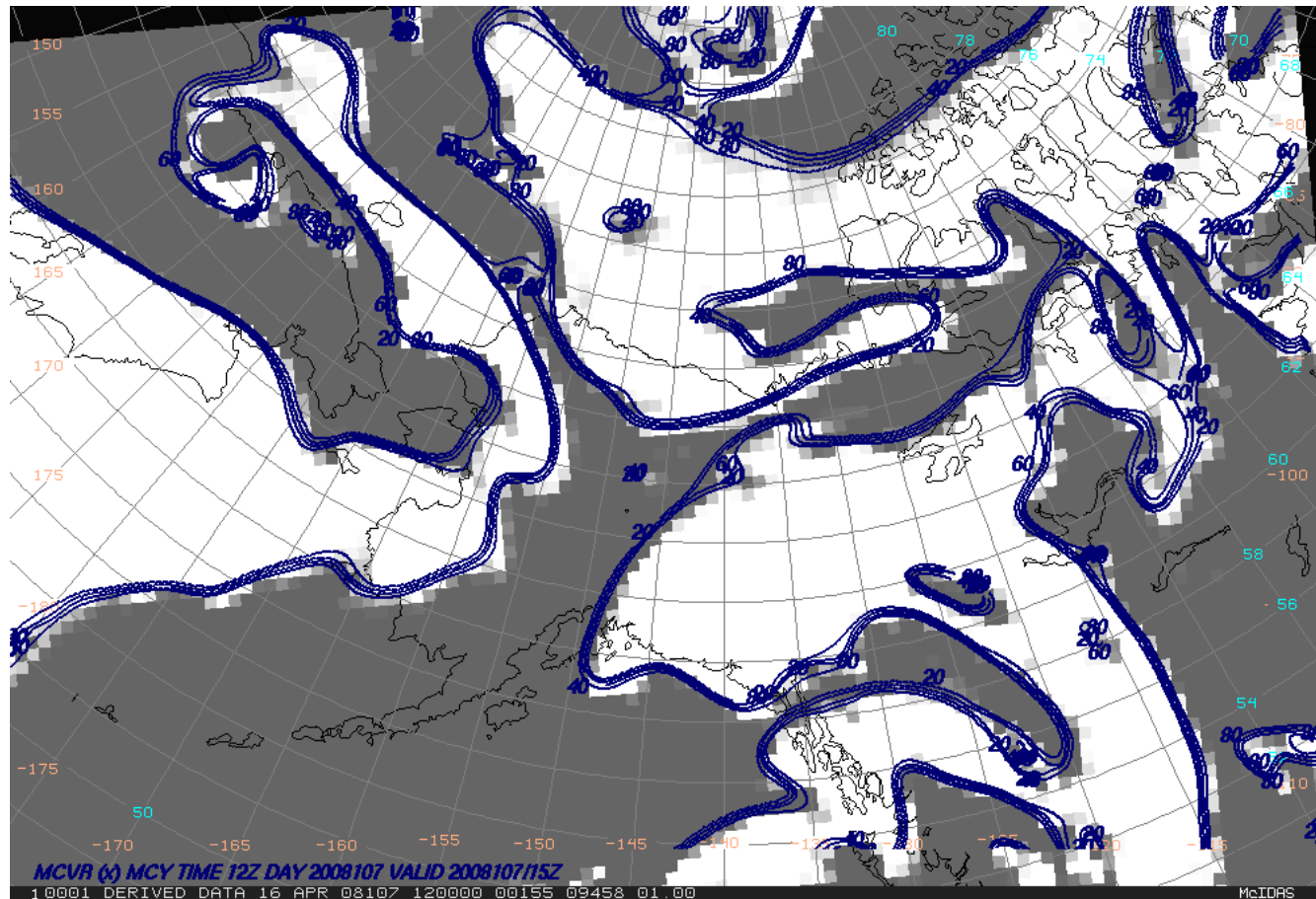
IR image: middle thin clouds



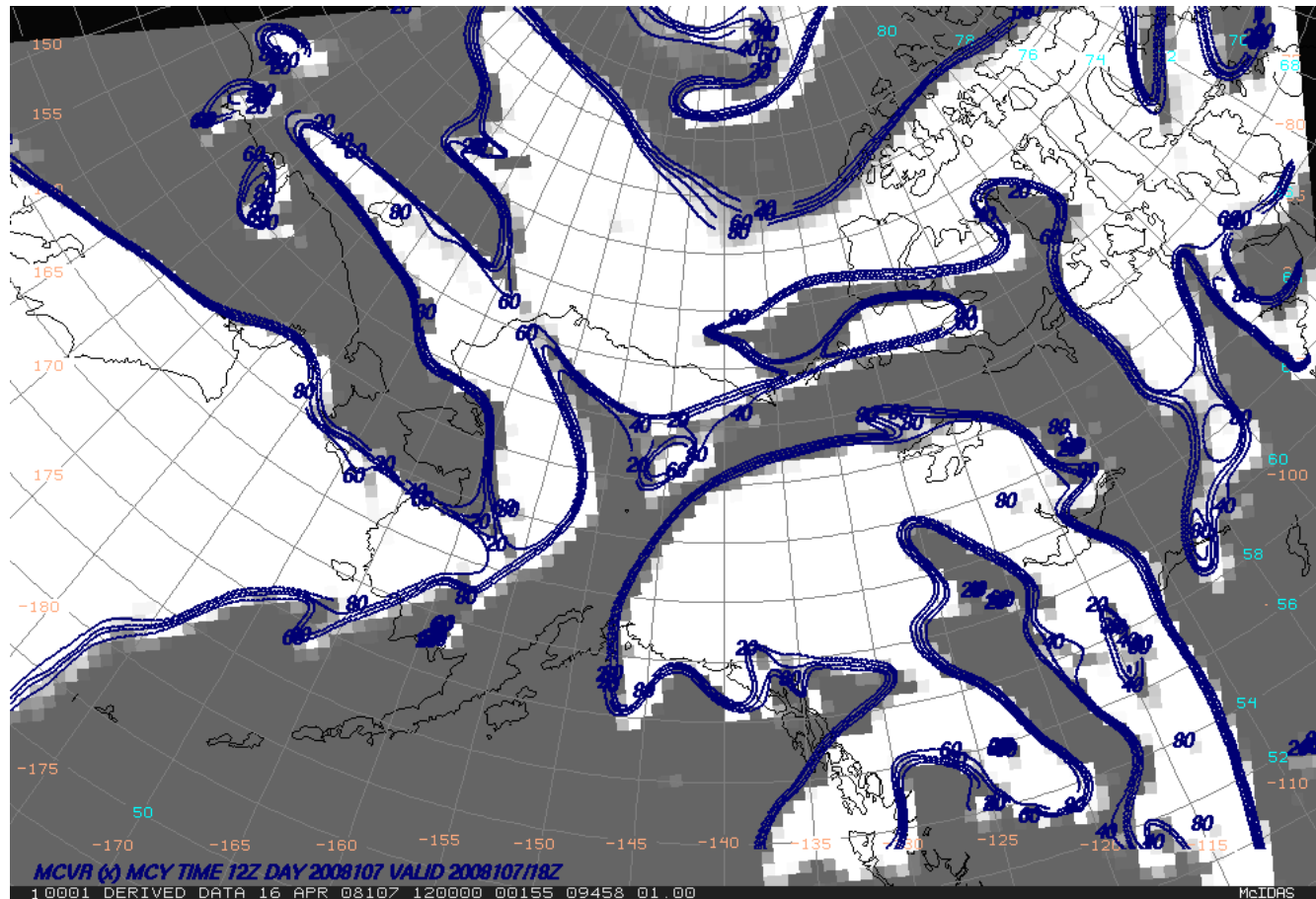
IR image+midlevel clouds(NAM),4am



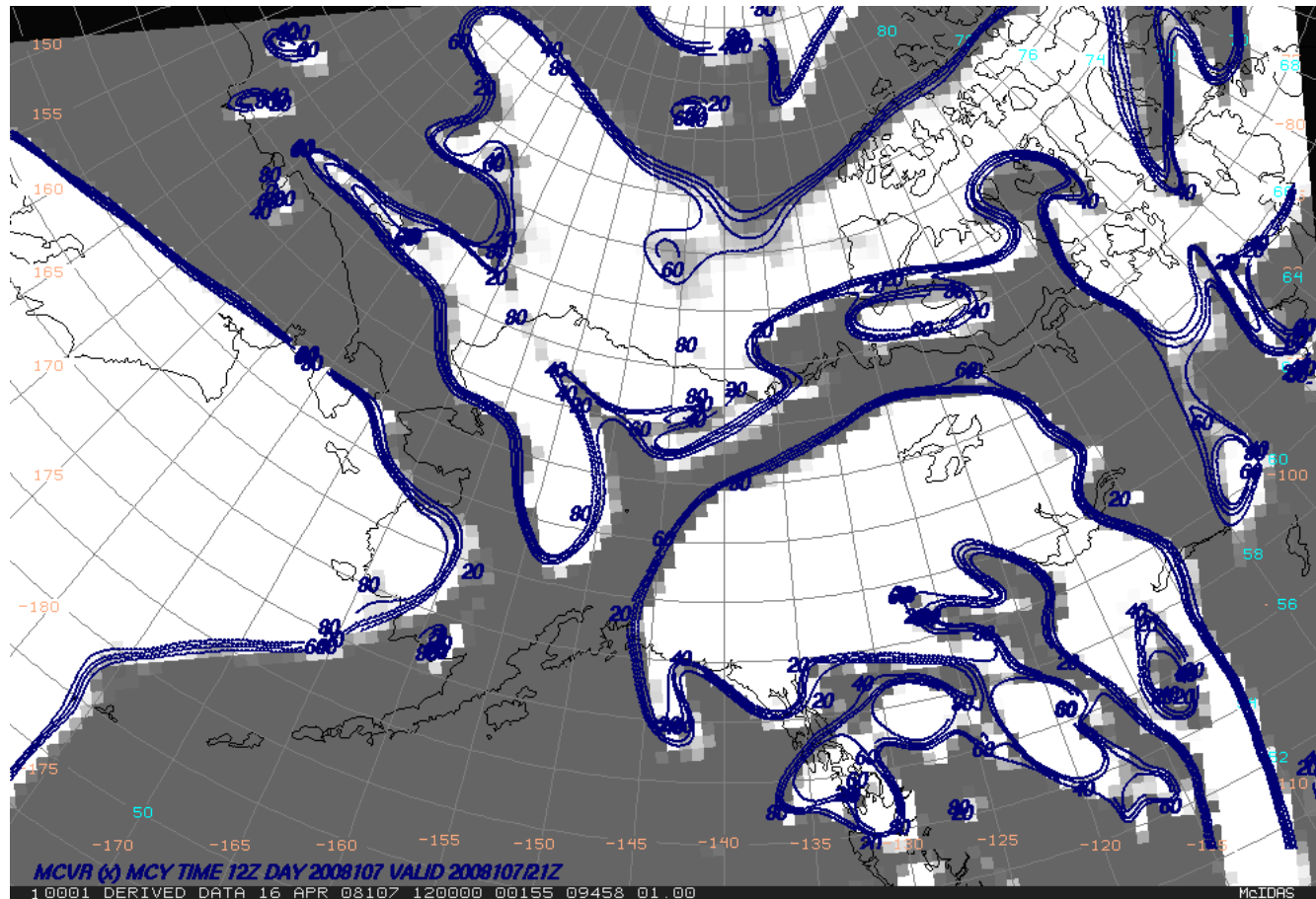
image+midlevel clouds(NAM),7am



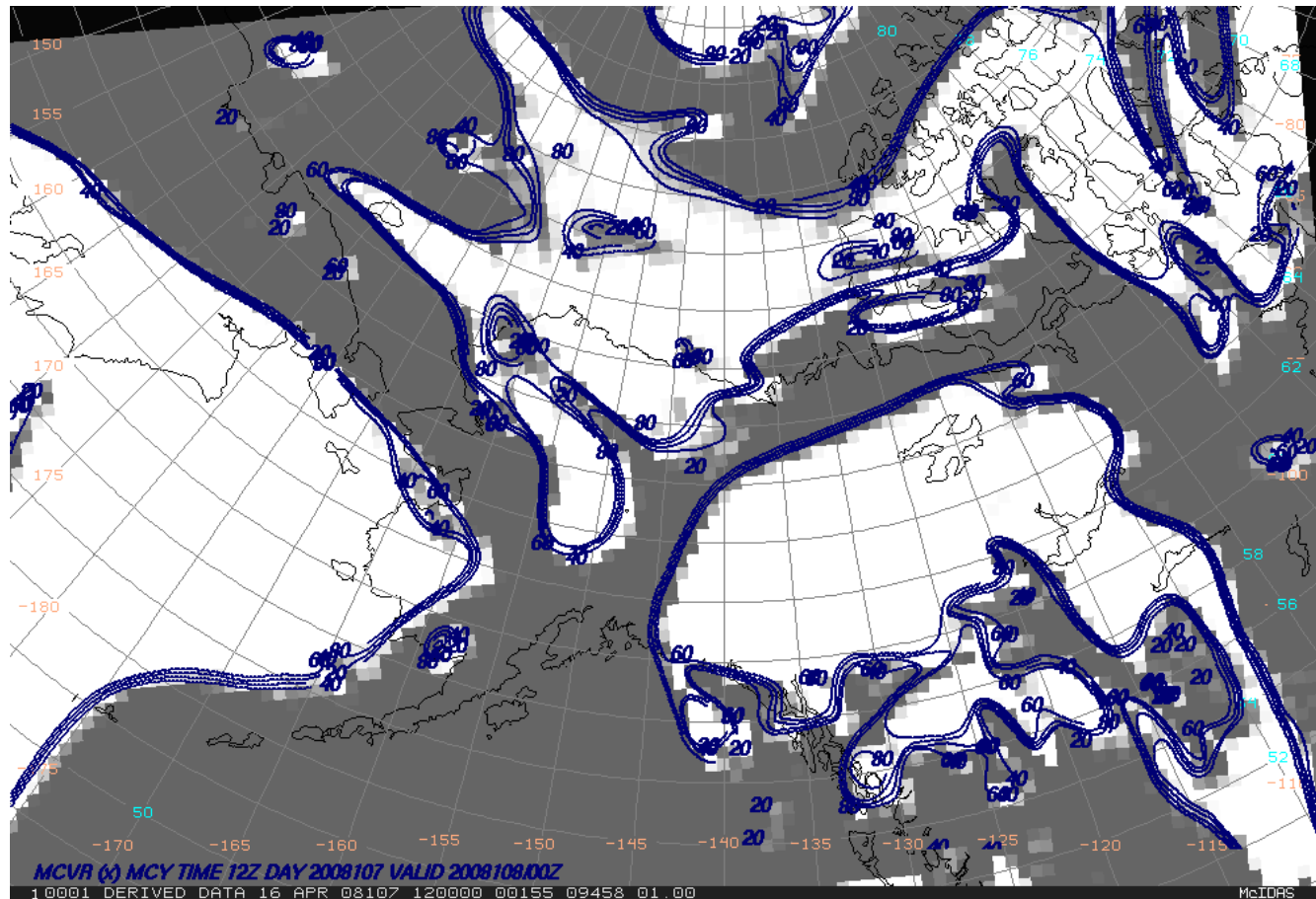
image+midlevel clouds(NAM),10am



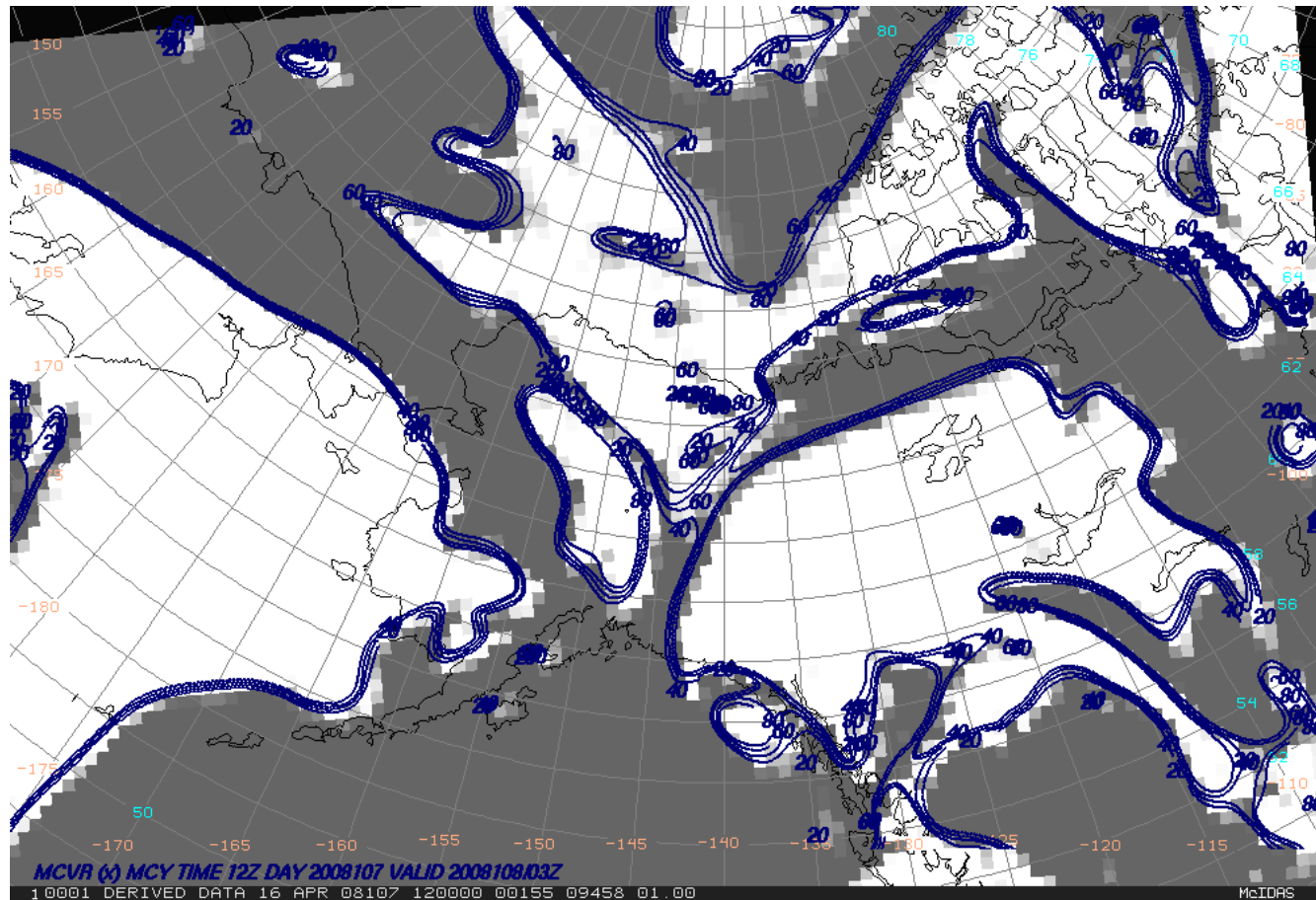
image+midlevel clouds(NAM),1pm



image+midlevel clouds(NAM),4pm



image+midlevel clouds(NAM),7pm

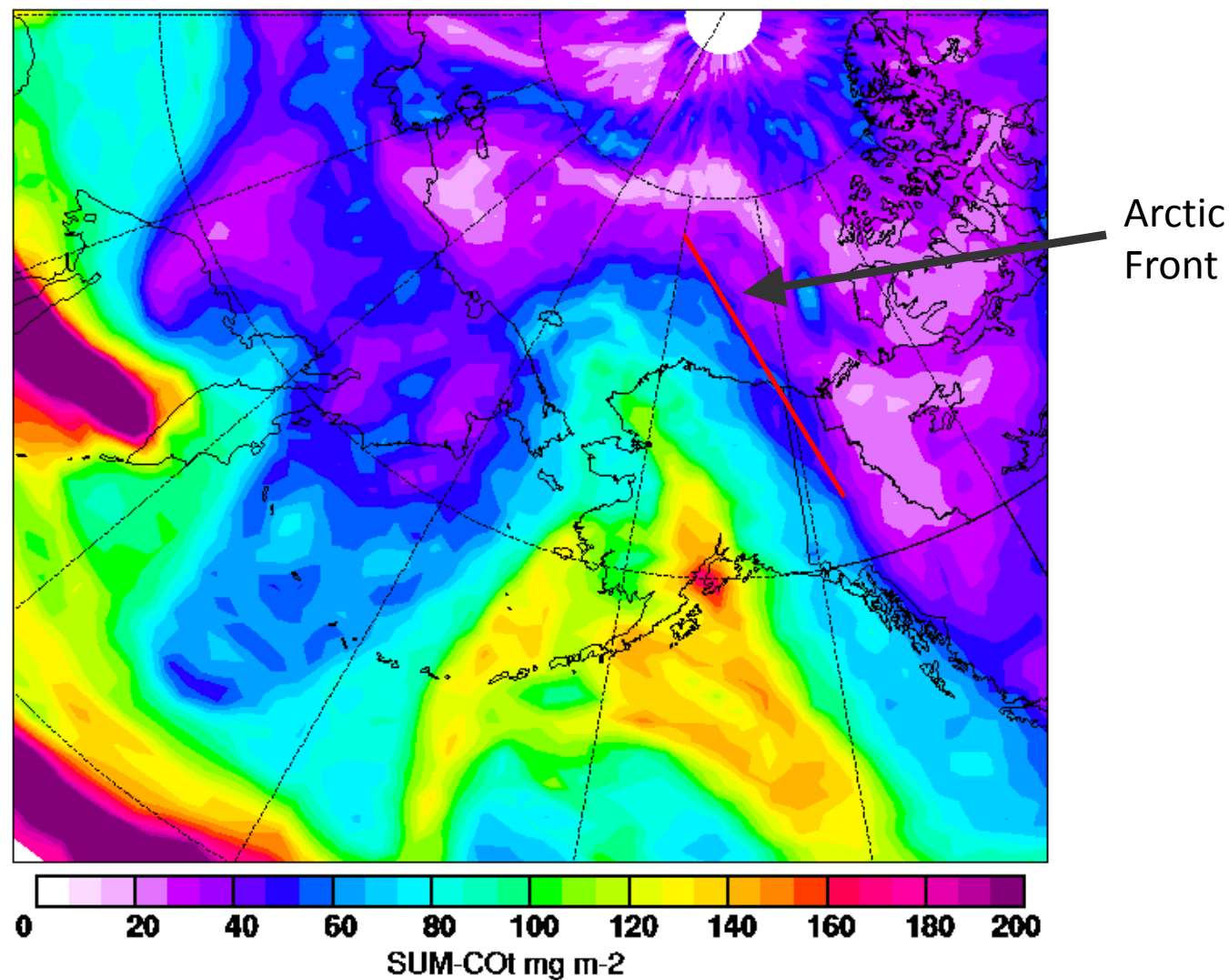


Total column of species SUM-CO for age class 0 - 20.00 DAYS

Latest analysis time 20080416. 60000 Actual time 20080419. 0

Mean value 0.907E+02 Maximum value 0.896E+03 Minimum value 0.102E+02

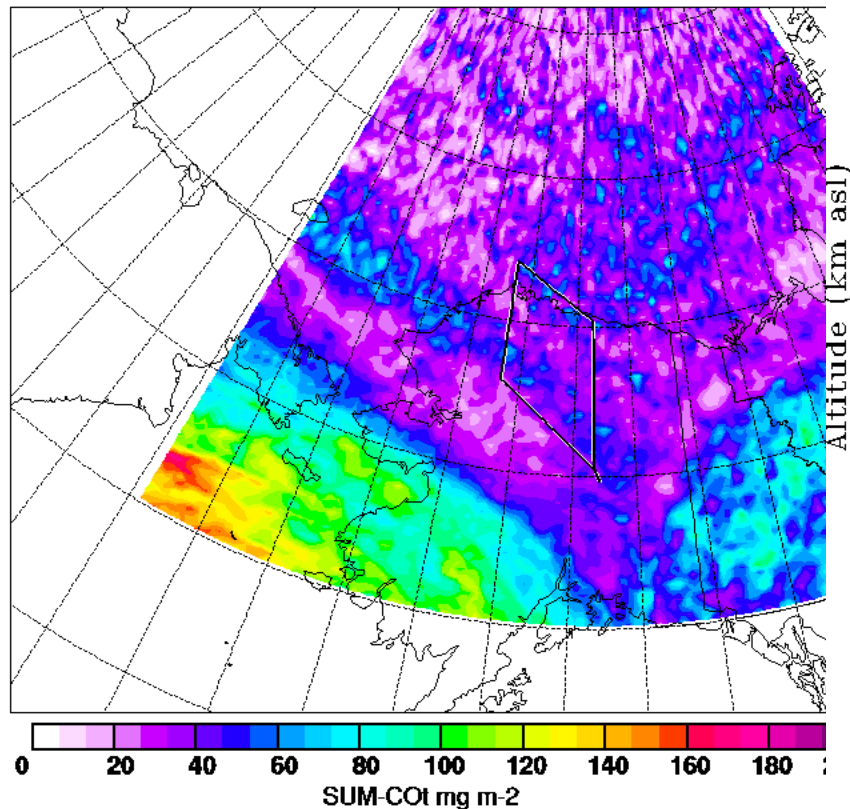
Distance of grid lines 20.0 deg



FLEXPART total anthro. CO column, 4:00 PM local, Friday

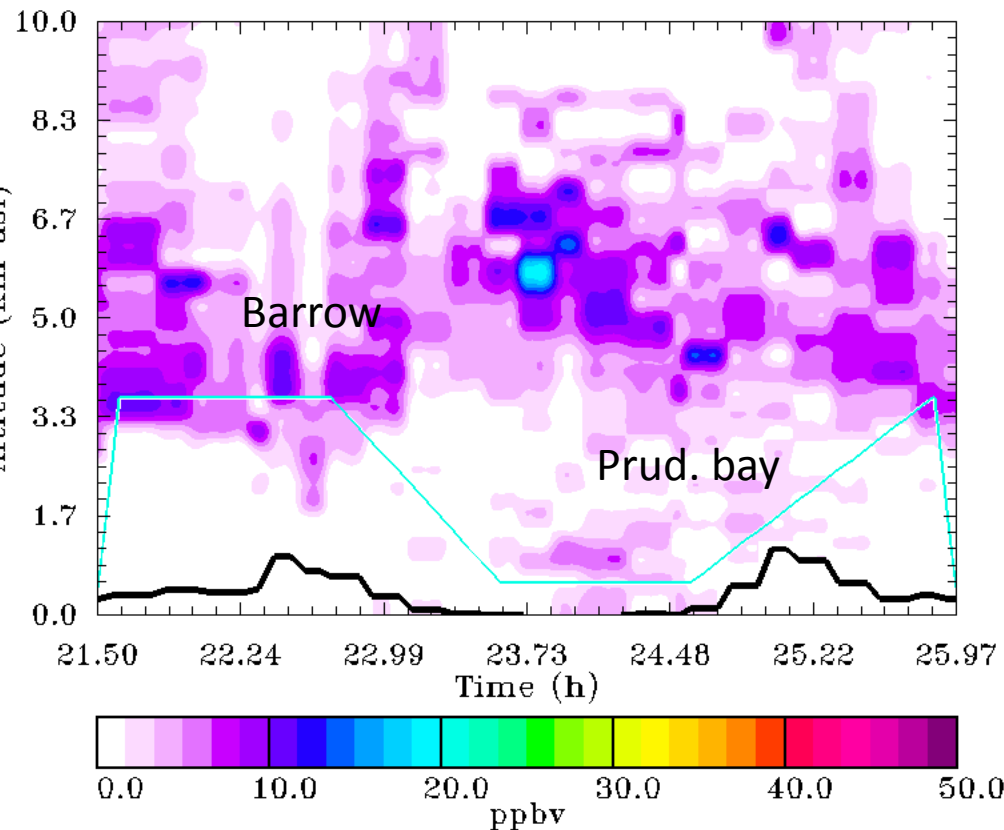
Total anthropo CO.

Total column of species SUM-CO for age class 0 - 20.00 DAYS
 Latest analysis time 20080416. 60000 Actual time 20080416.230000
 Mean value 0.495E+02 Maximum value 0.172E+03 Minimum value 0.4
 Distance of grid lines 5.0 deg



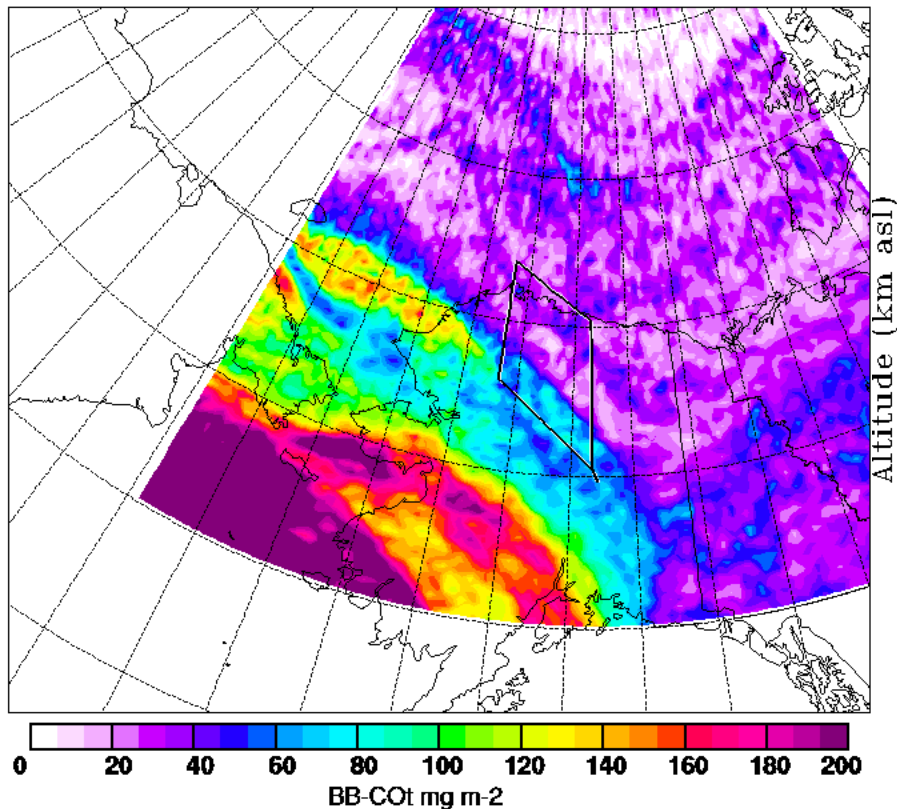
Tracer profile

Date: 20080416 90000
 Start: + 0 d 21 h End: + 1 d 1 h
 Mean value: 4.629
 Maximum value: 18.937
 Minimum value: 0.000



Biomass Burning CO

Total column of species BB-COt for age class 0 - 20.00 DAYS
Latest analysis time 20080416. 60000 Actual time 20080416.230000
Mean value 0.493E+02 Maximum value 0.402E+03 Minimum value 0.112E
Distance of grid lines 5.0 deg

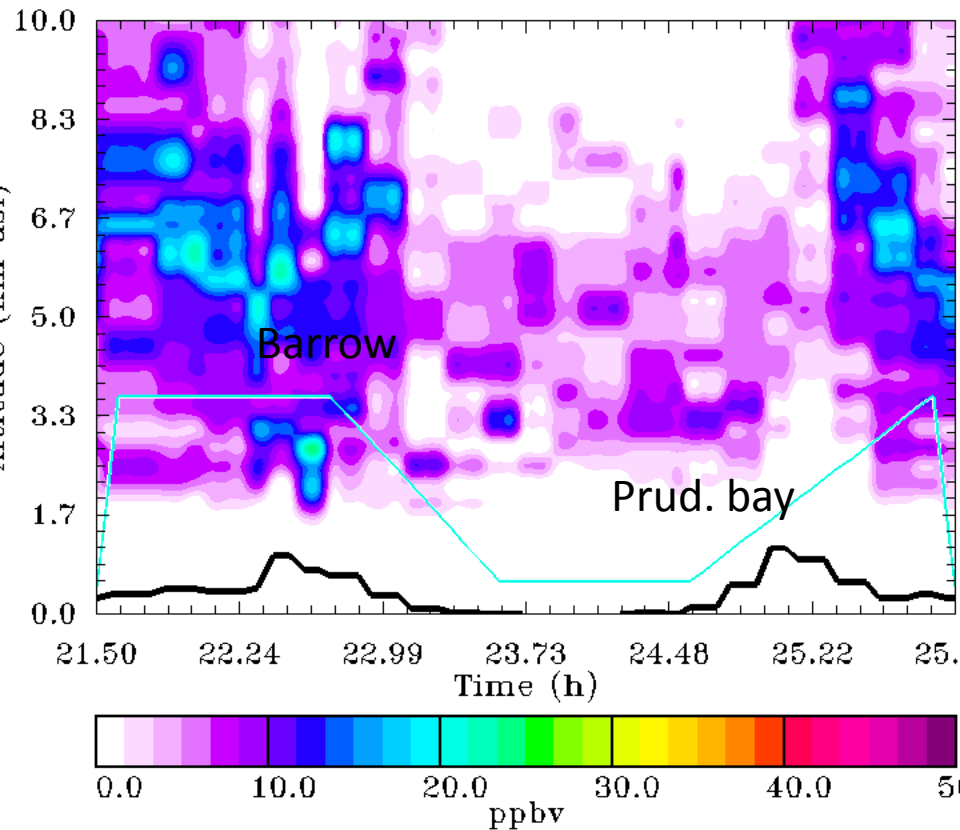


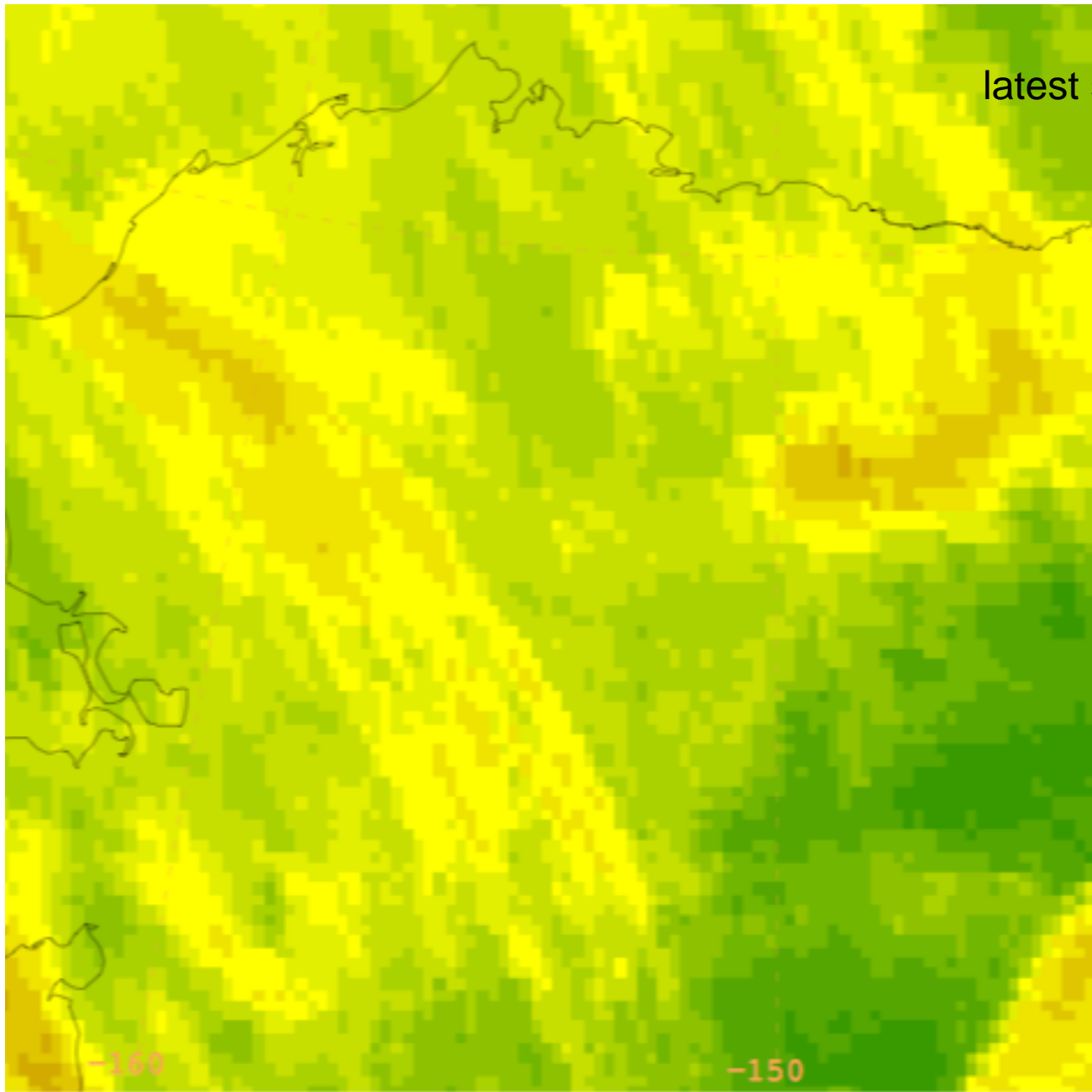
Tracer profile

Date: 20080416 90000

Start: + 0 d 21 h End: + 1 d 1 h

Mean value: 6.410
Maximum value: 23.152
Minimum value: 0.000



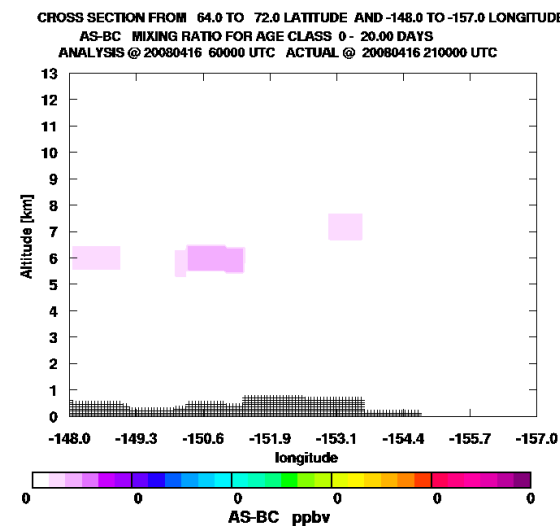
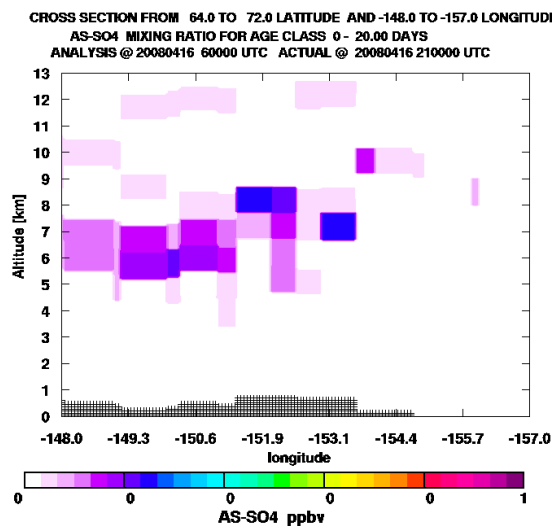
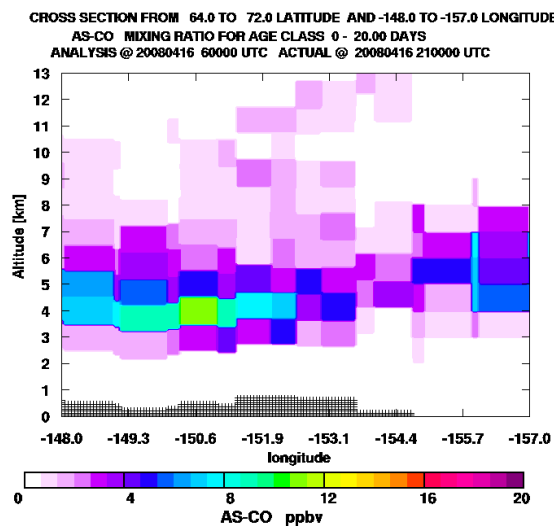
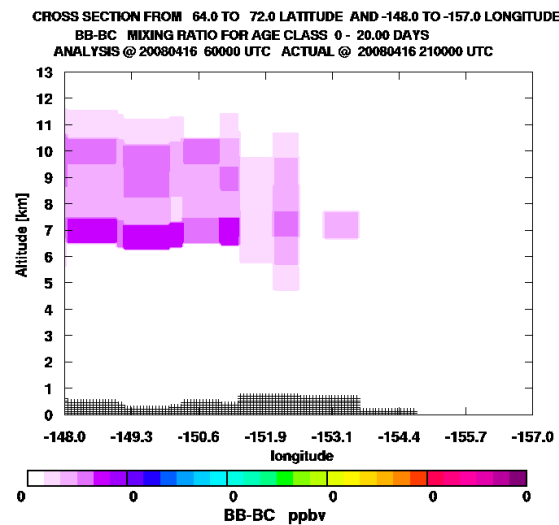
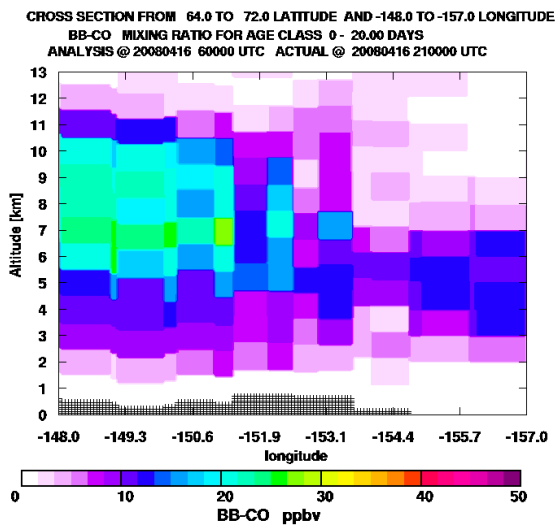


latest sat image

-160

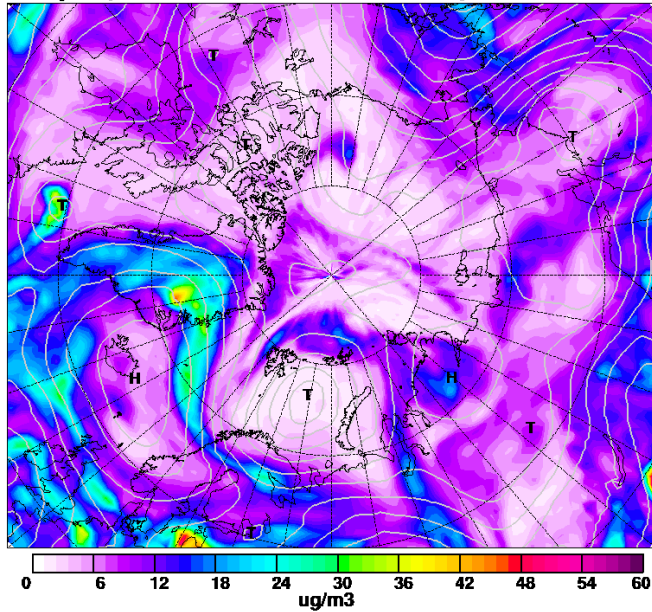
-150

080416/1600 GOES11 IR4

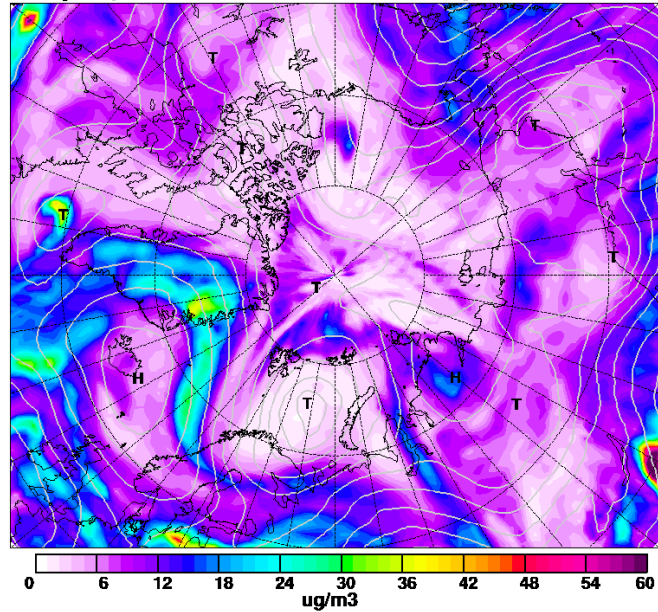


Biomass and Asian tracers FAI-Barrow, today

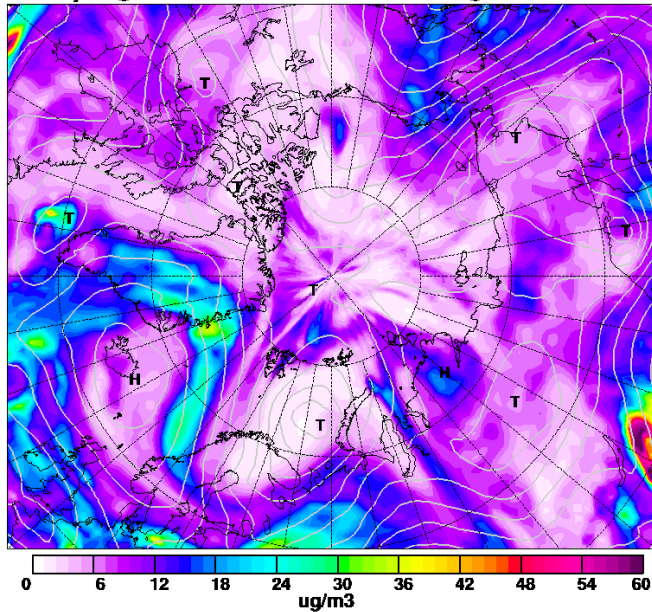
Mixing ratio of AN-CO at 3500 m asl and 700 hPa geopotential
 Analysis @ 20080416. 60000 Actual @ 20080418.120000



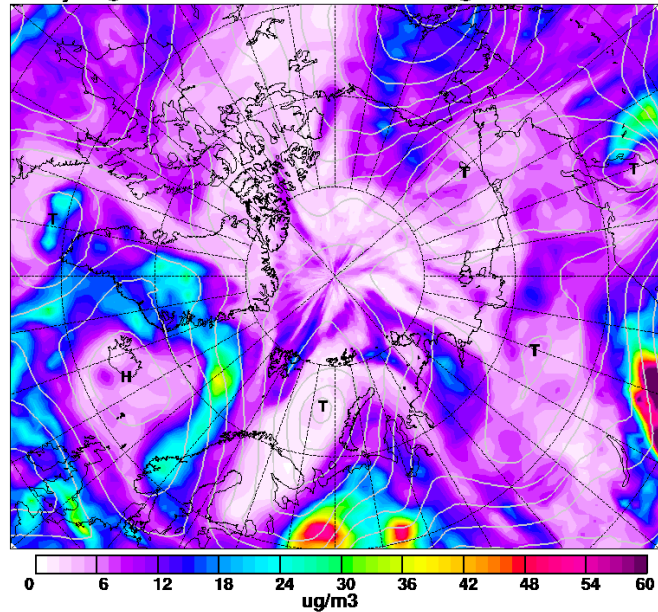
Mixing ratio of AN-CO at 3500 m asl and 700 hPa geopotential
 Analysis @ 20080416. 60000 Actual @ 20080418.180000



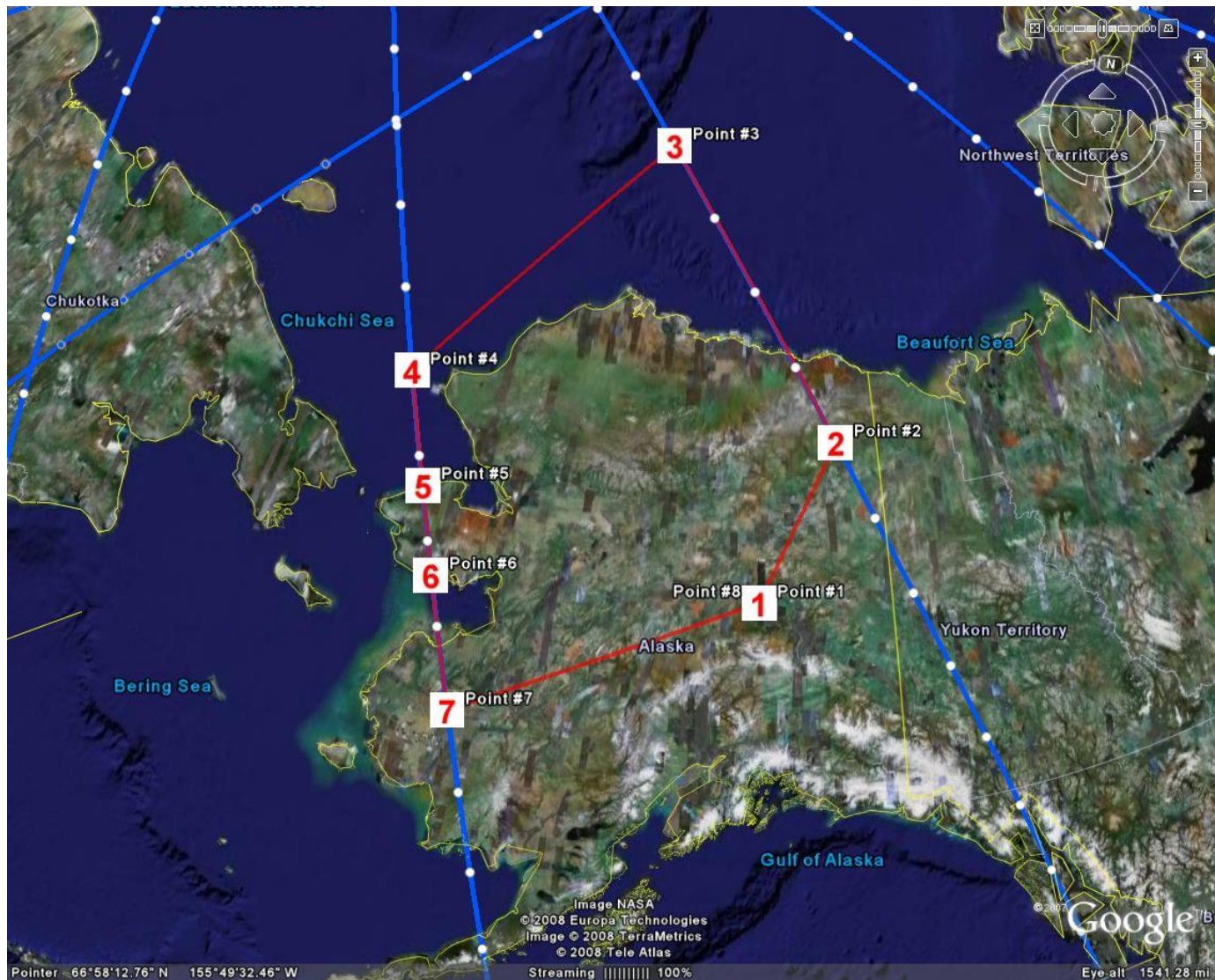
Mixing ratio of AN-CO at 3500 m asl and 700 hPa geopotential
 Analysis @ 20080416. 60000 Actual @ 20080419. 0



Mixing ratio of AN-CO at 3500 m asl and 700 hPa geopotential
 Analysis @ 20080416. 60000 Actual @ 20080419.120000



Anthropogenic CO at 3.5km, 18-19 Apr



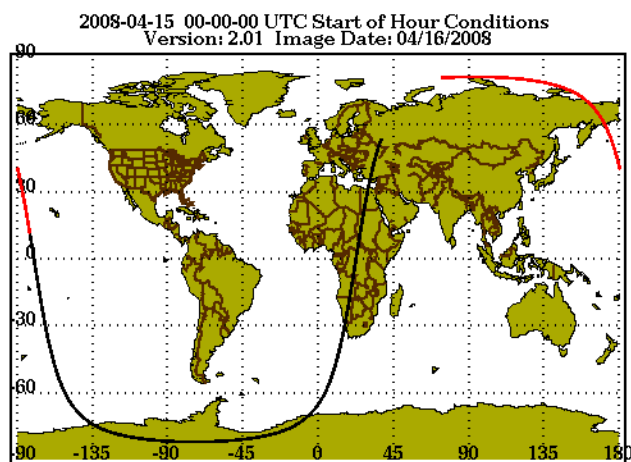
NASA DC-8 flight today

RAQMS Fairbanks Local FX Discussion:

36hr vs 60hr

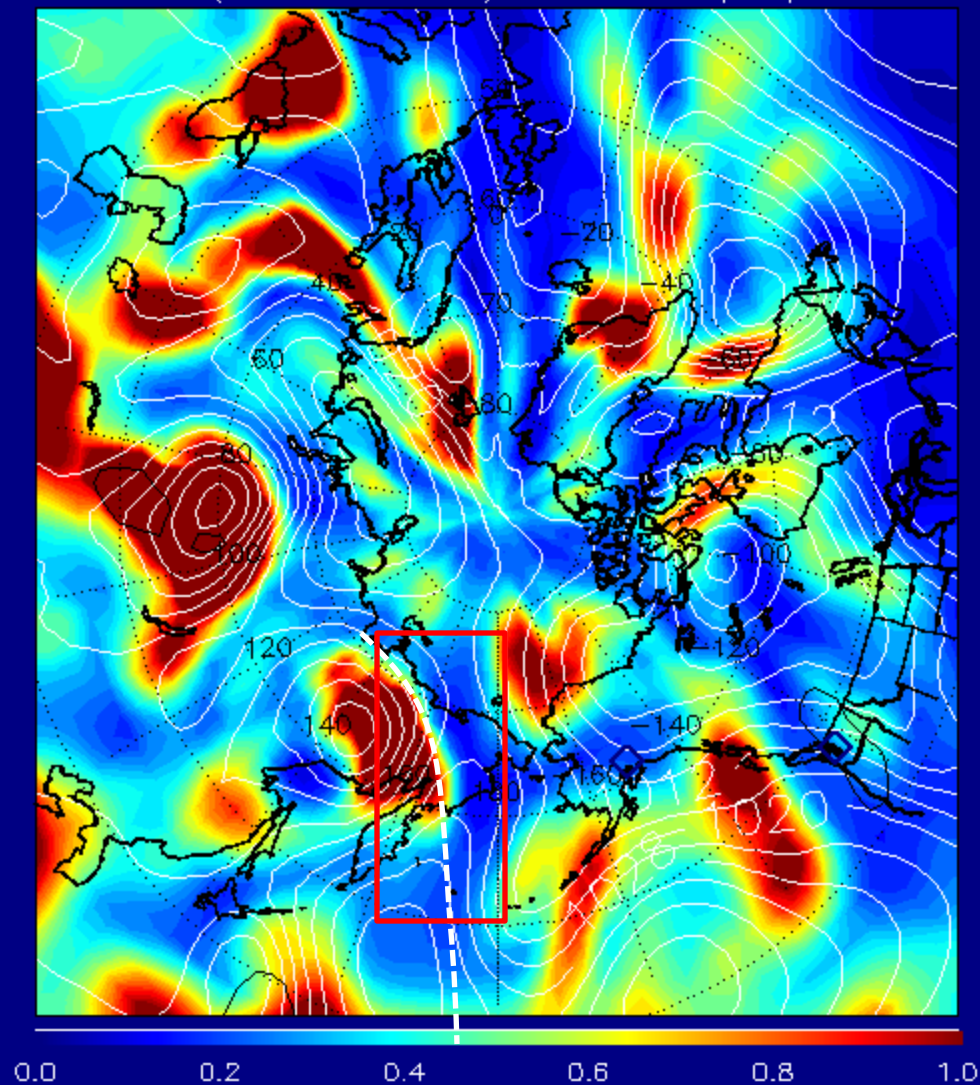
00Z 04/17

Initialized 12Z 04/15



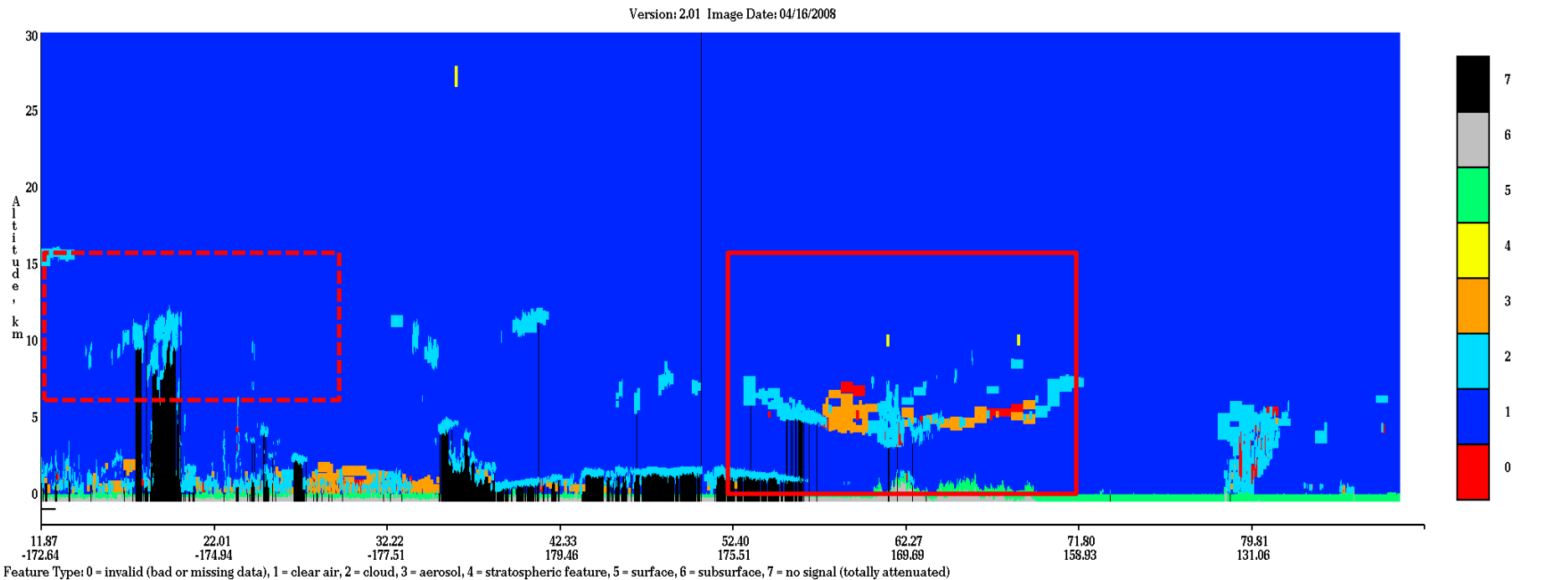
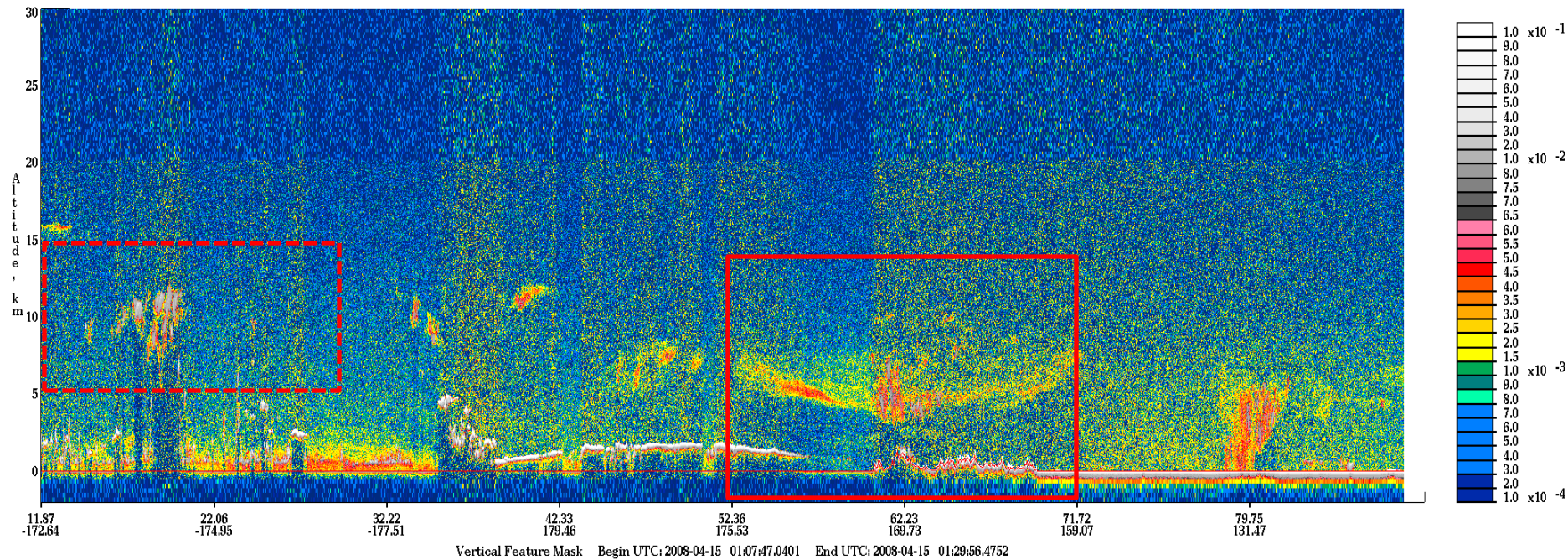
CALIPSO Track
~01Z 04/15/08

AOD Total Aerosol 00Z 20080415
(MSL Pressure Contoured/95% Convective Precip=Red)

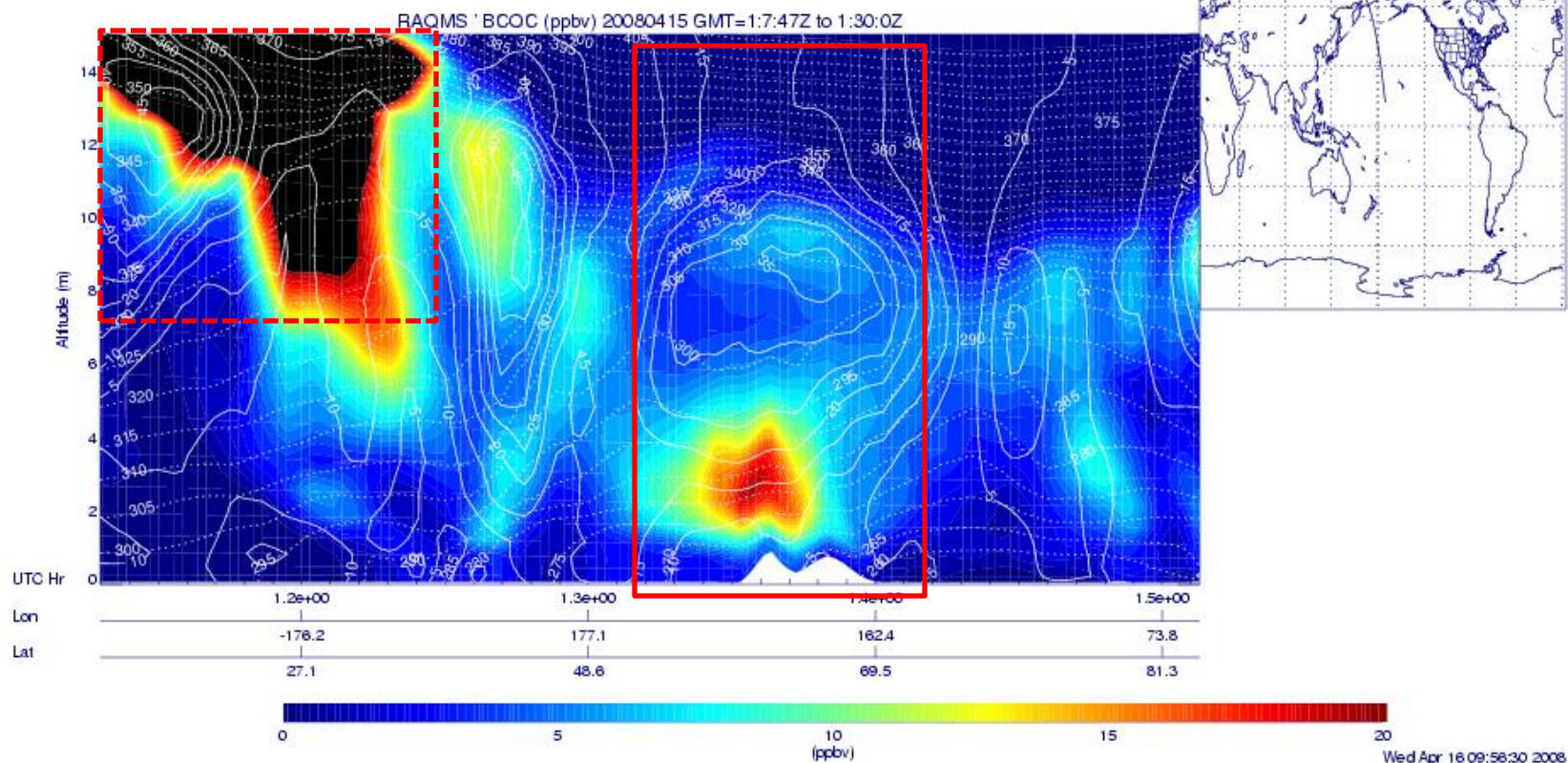


RAQMS_G -12hr OMI ASSIM Initialized 12Z 20080414

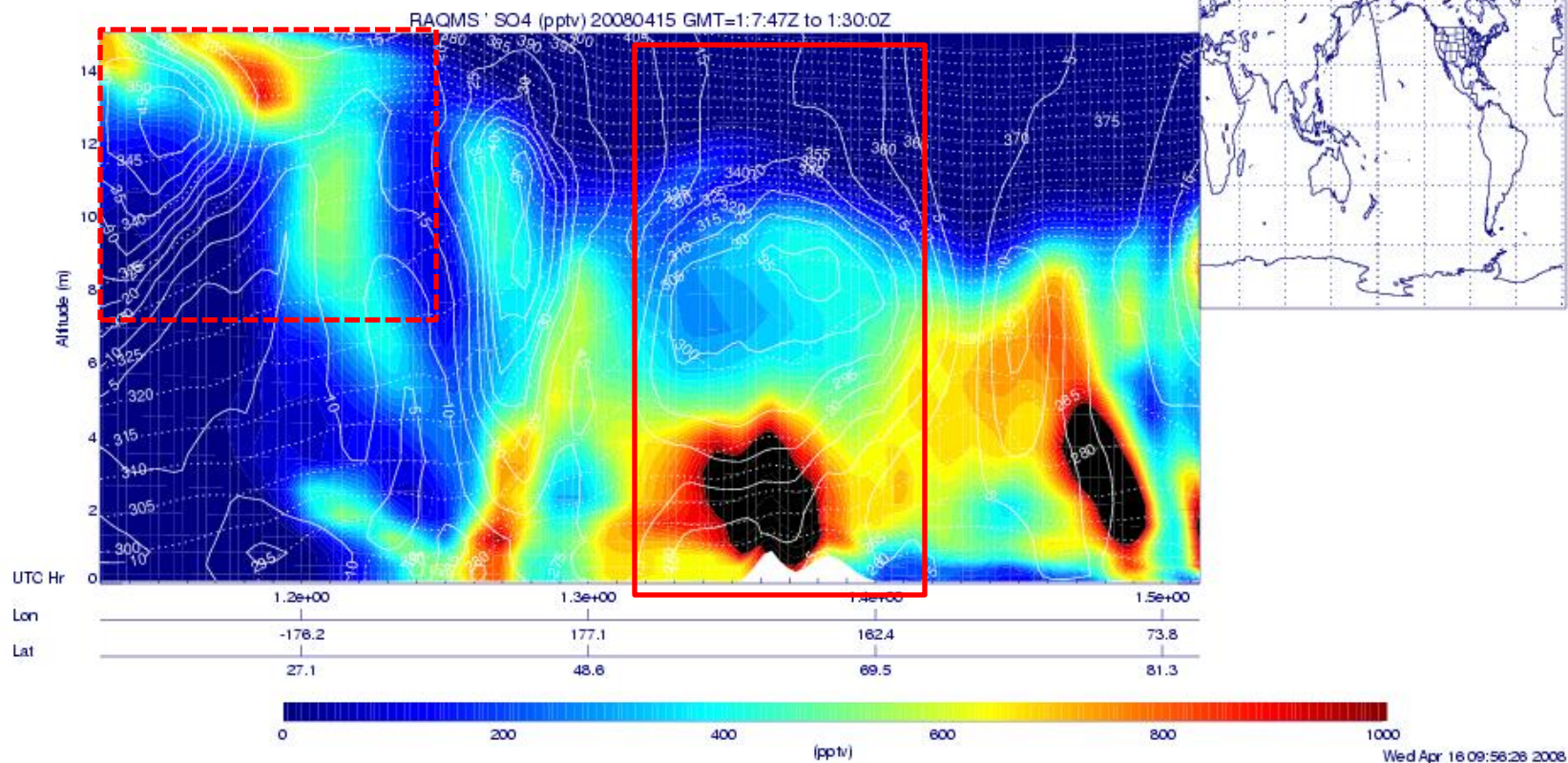
Version: 2.01 Image Date: 04/16/2008



RAQMS BCOC Analysis along CALIPSO track

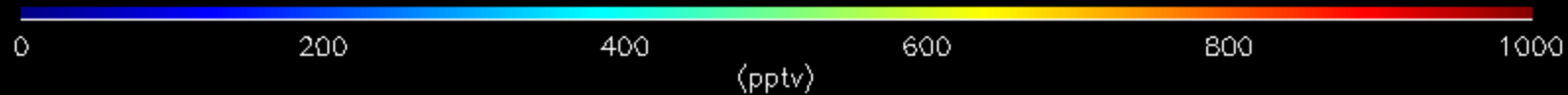
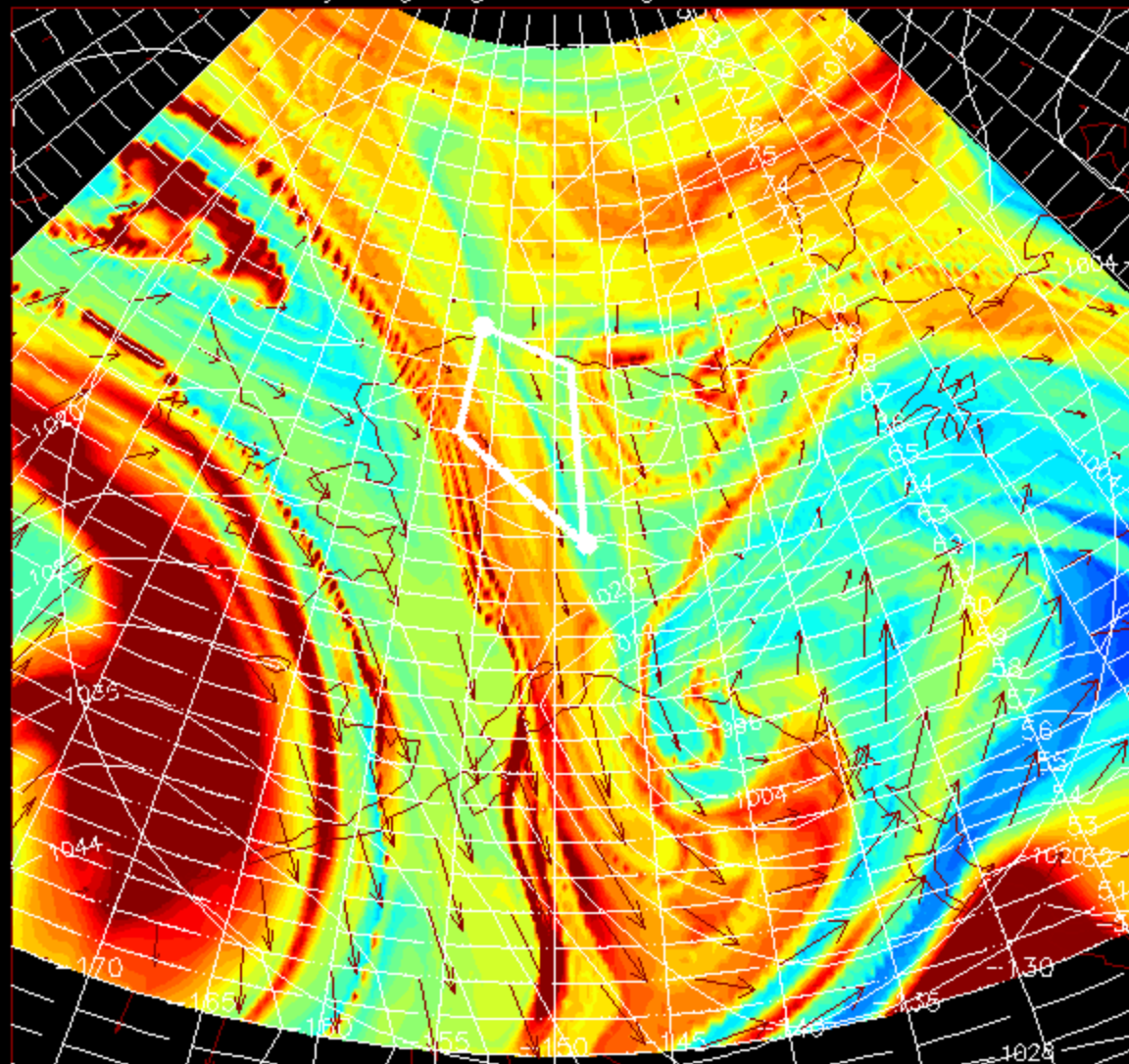


RAQMS SO4 Analysis along CALIPSO track



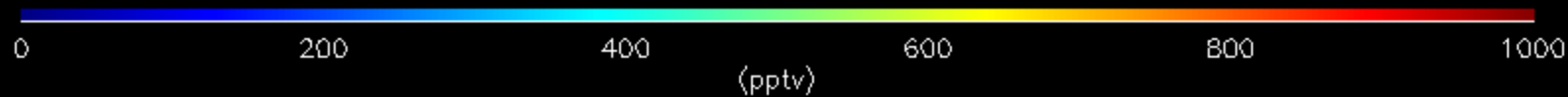
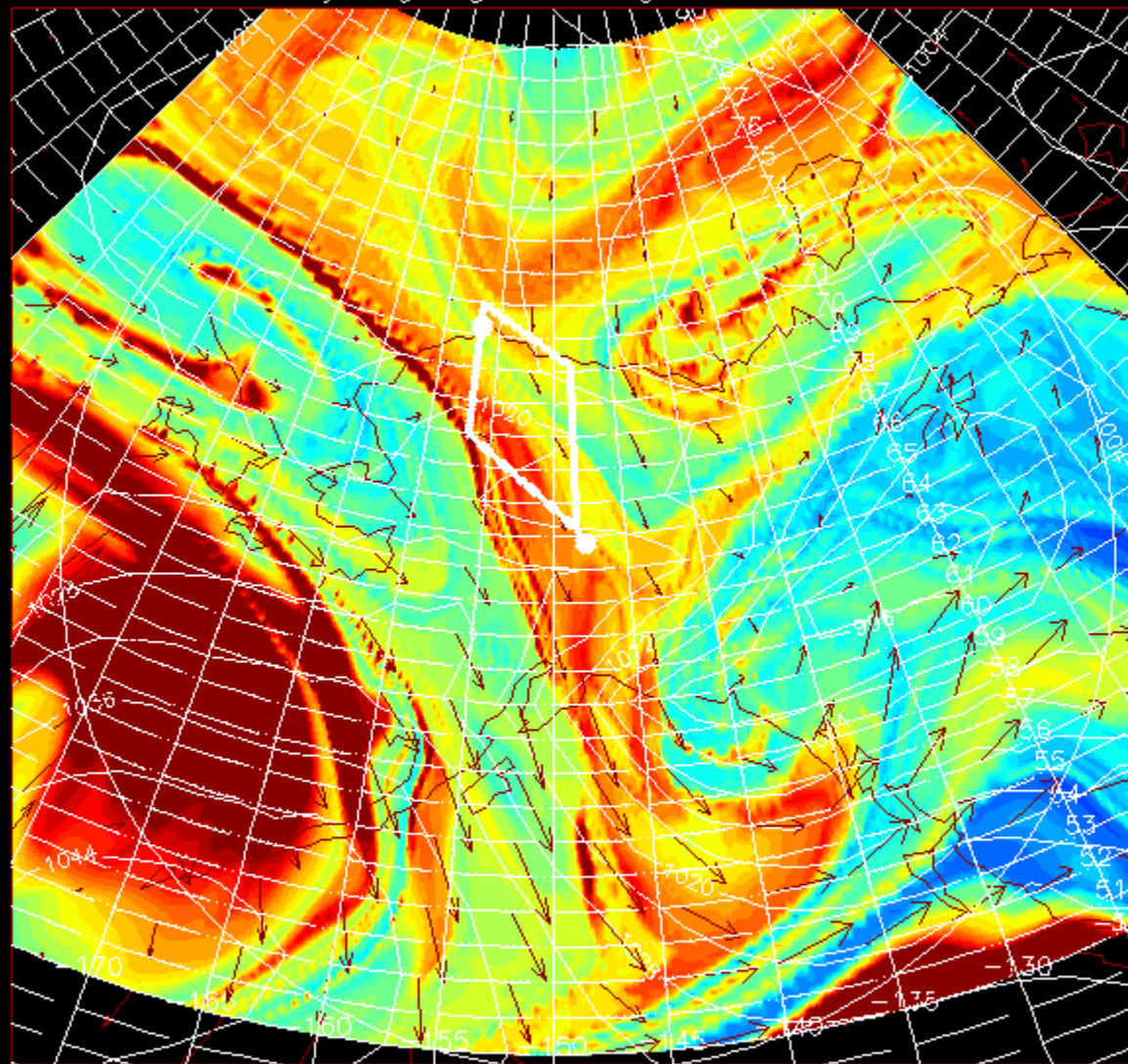
60hr 3km RDF SO4

3km 5-day Lagrangian Averaged SO4 2008041700



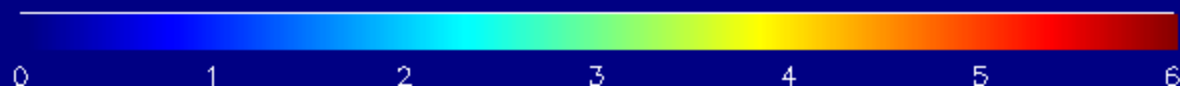
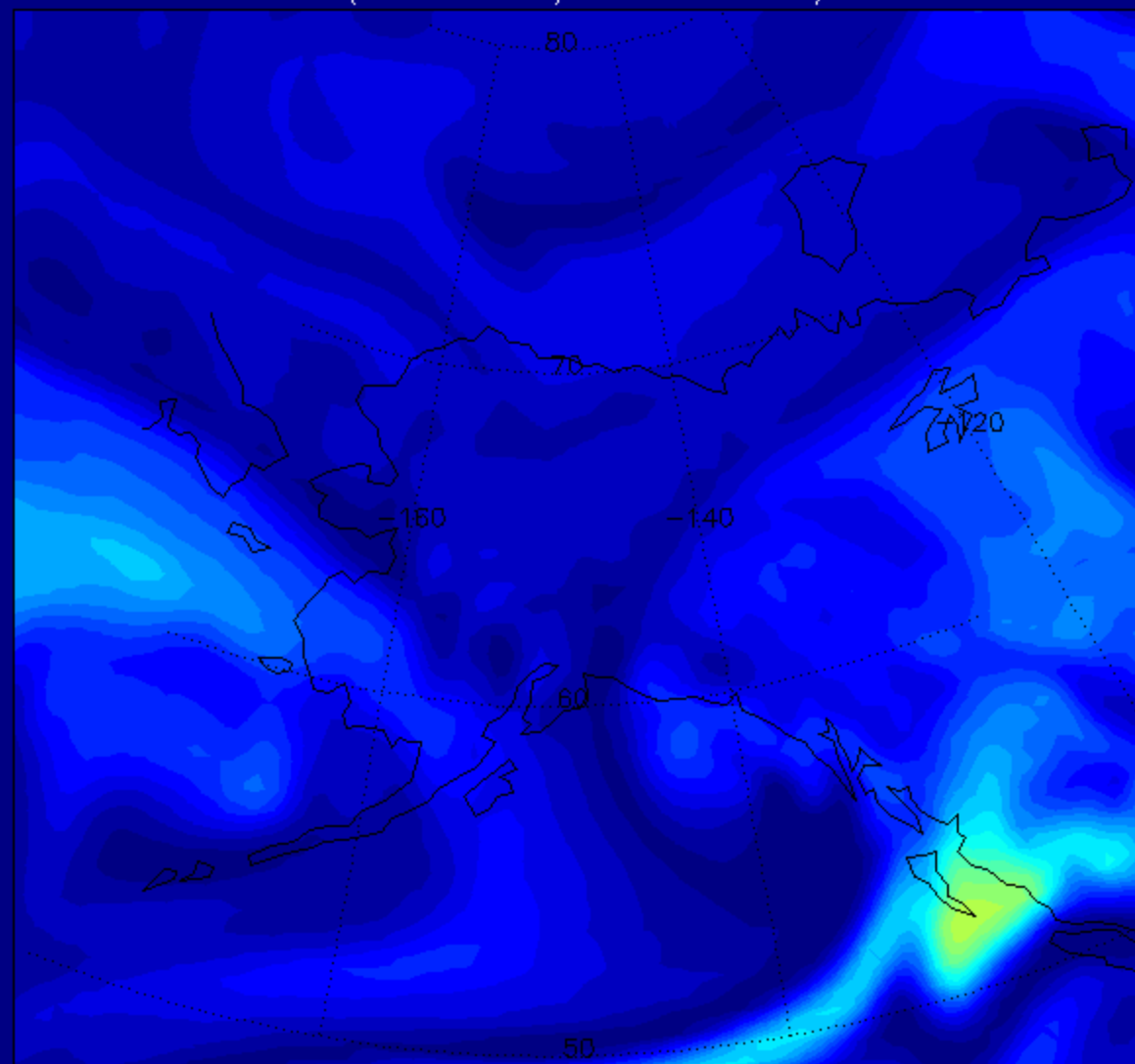
36hr 3km RDF SO4

3km 5-day Lagrangian Averaged SO4 2008041700

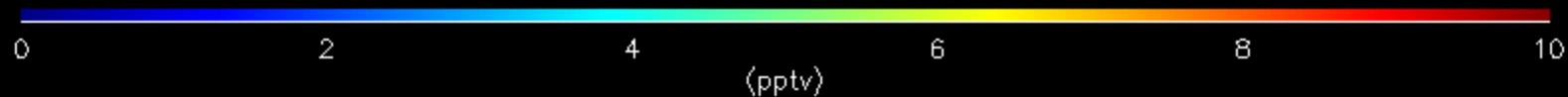
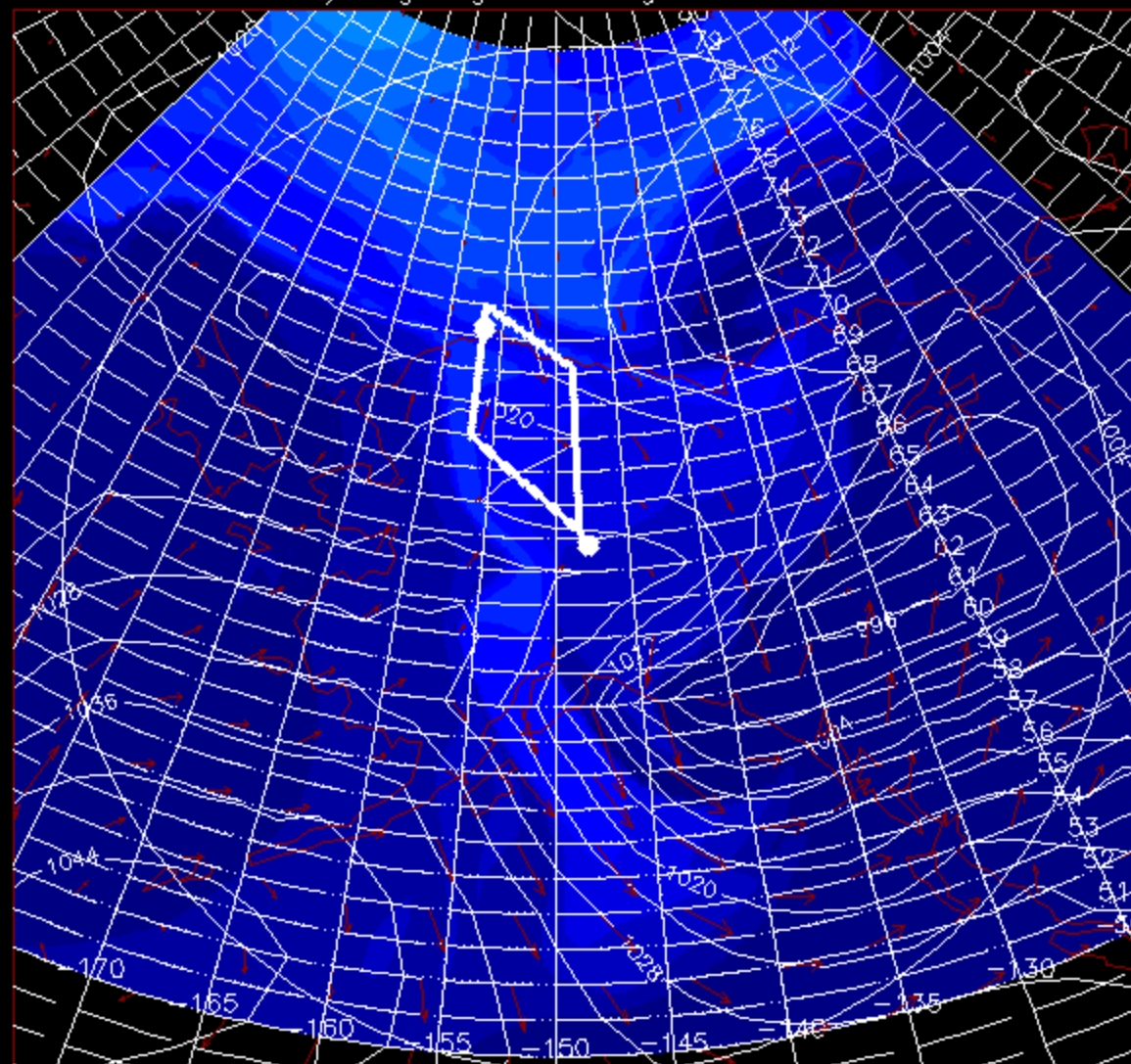


GFS 3km Q 00Z 20080417

(Pressure Contoured/SFC Intersection Dashed)

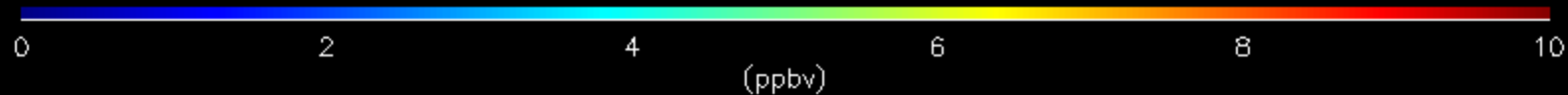
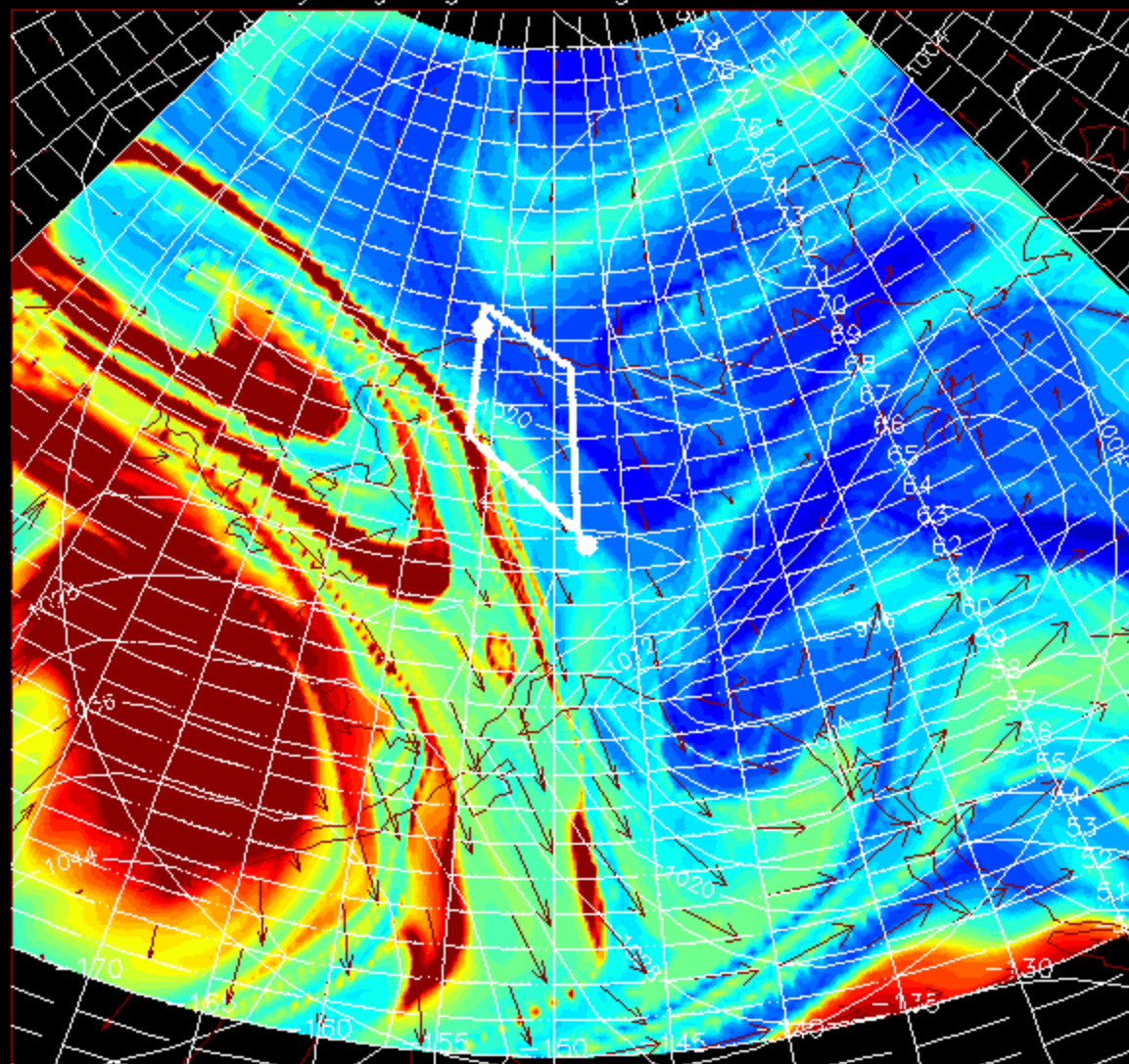


SFC 5-day Lagrangian Averaged BrO 2008041700

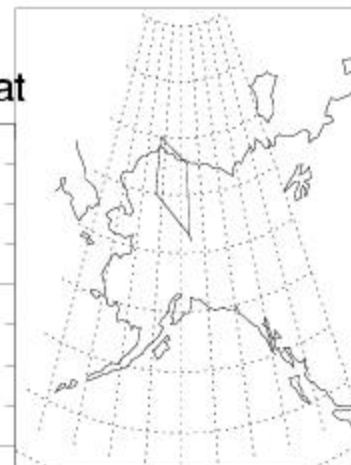
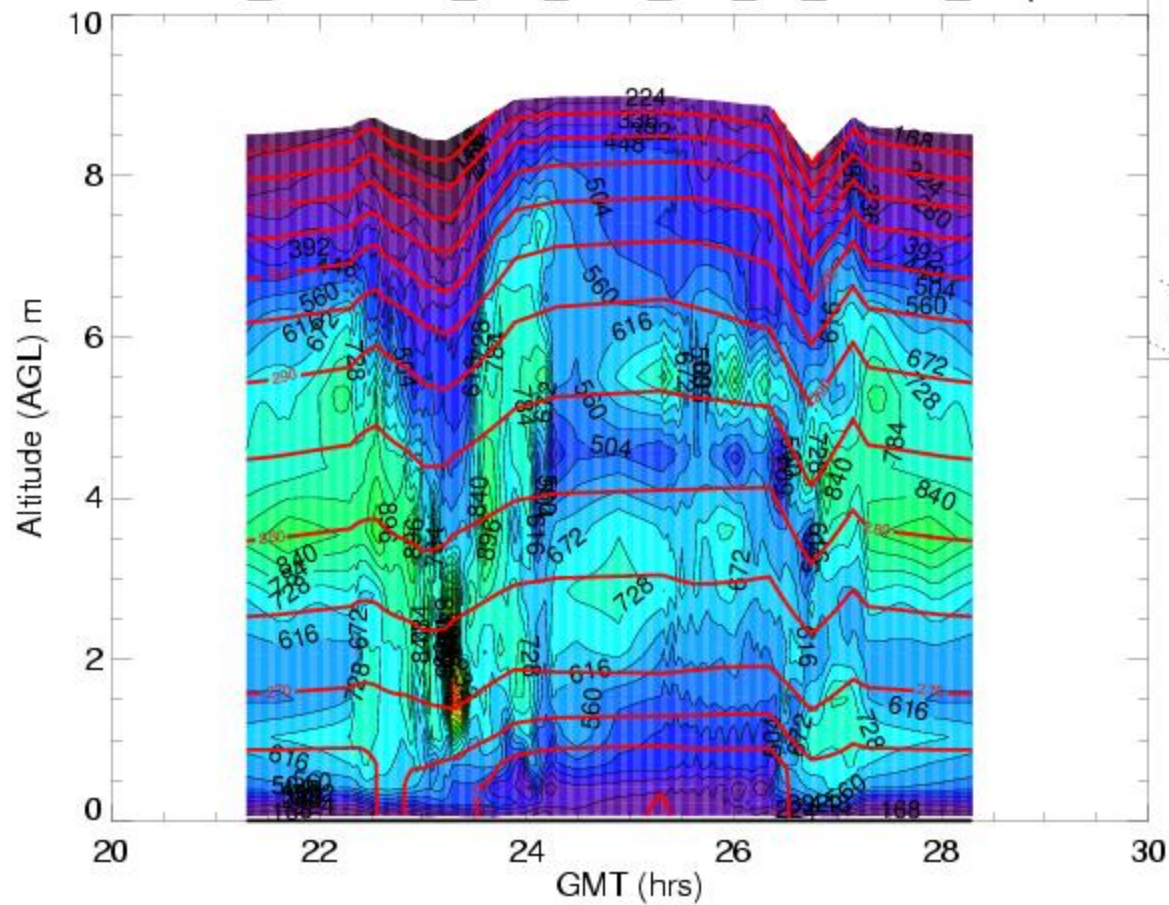


36hr 3km RDF BCOC

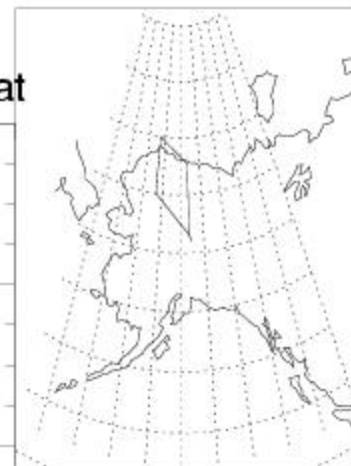
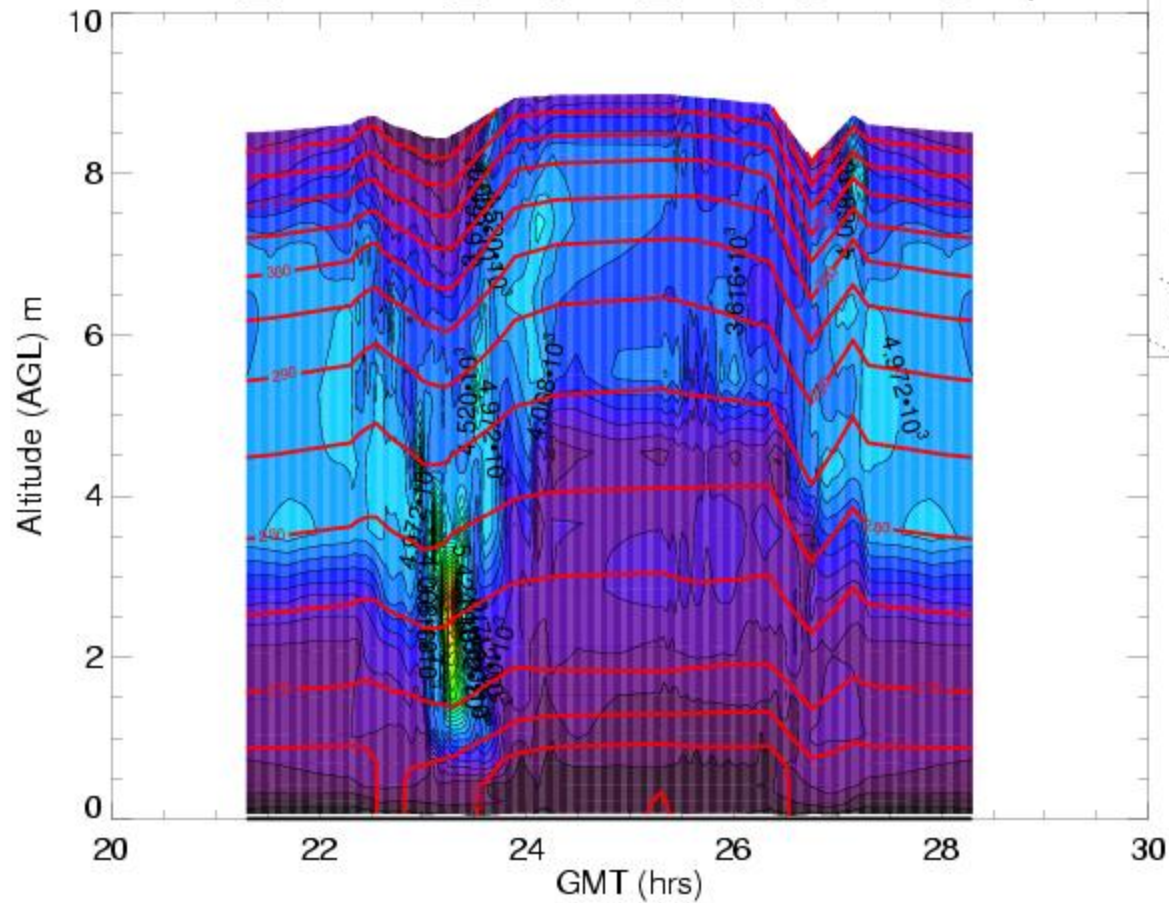
3km 5-day Lagrangian Averaged BC+OC 2008041700



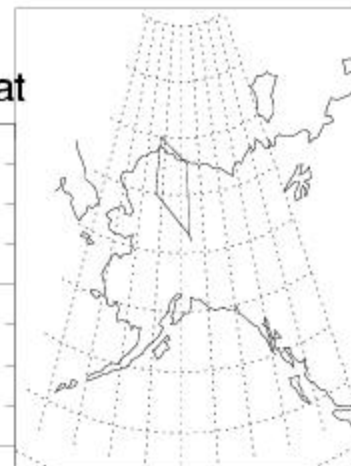
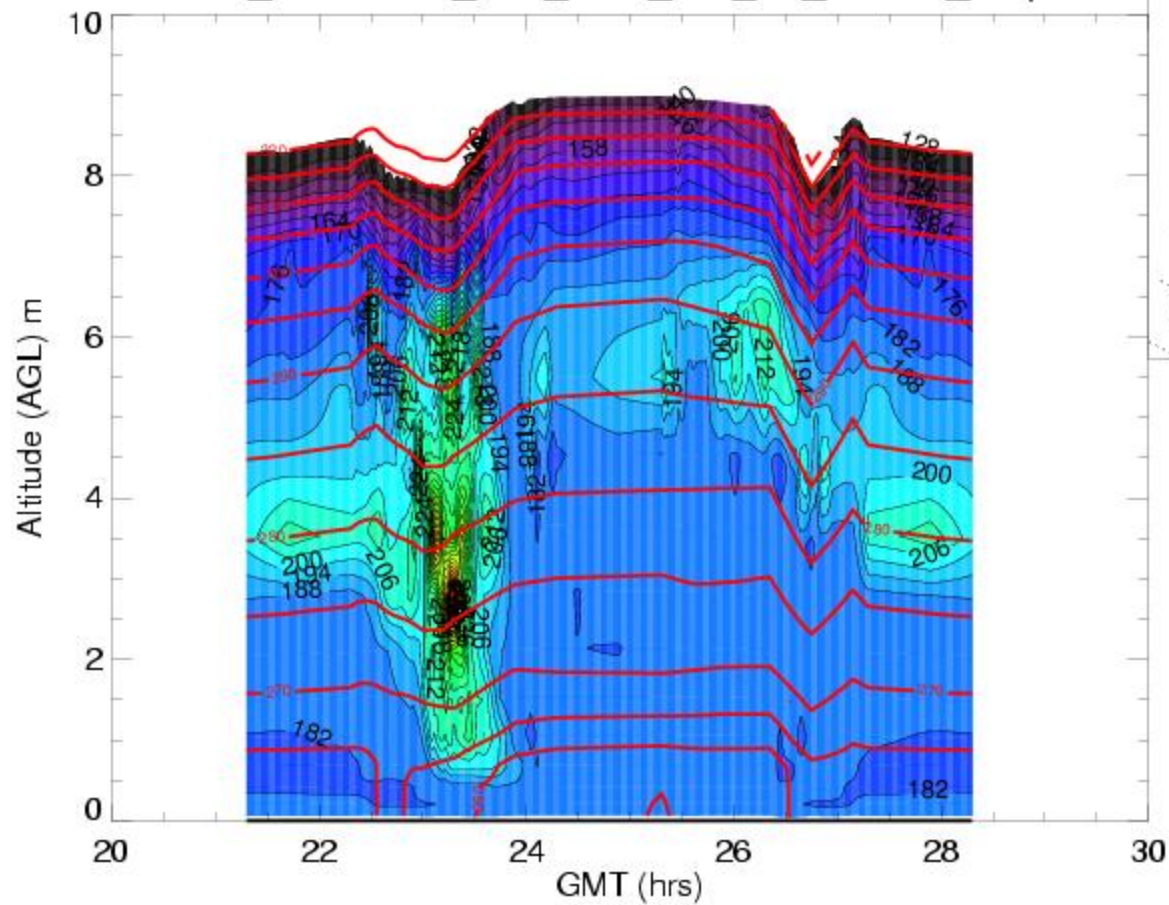
36hr FX iso4 Cl= 56.0000 max= 1682.28
RAQMS_20080417_00Z_36hr_fcst_rdf_curtain_arcpac.dat



36hr FX ibcoc Cl= 452.000 max= 13586.7
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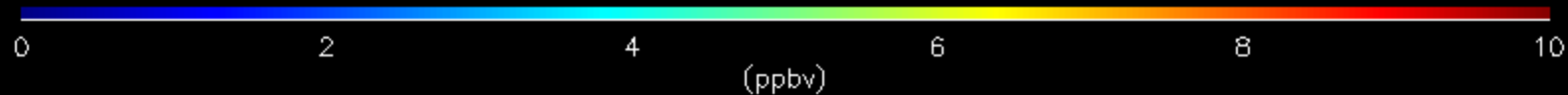
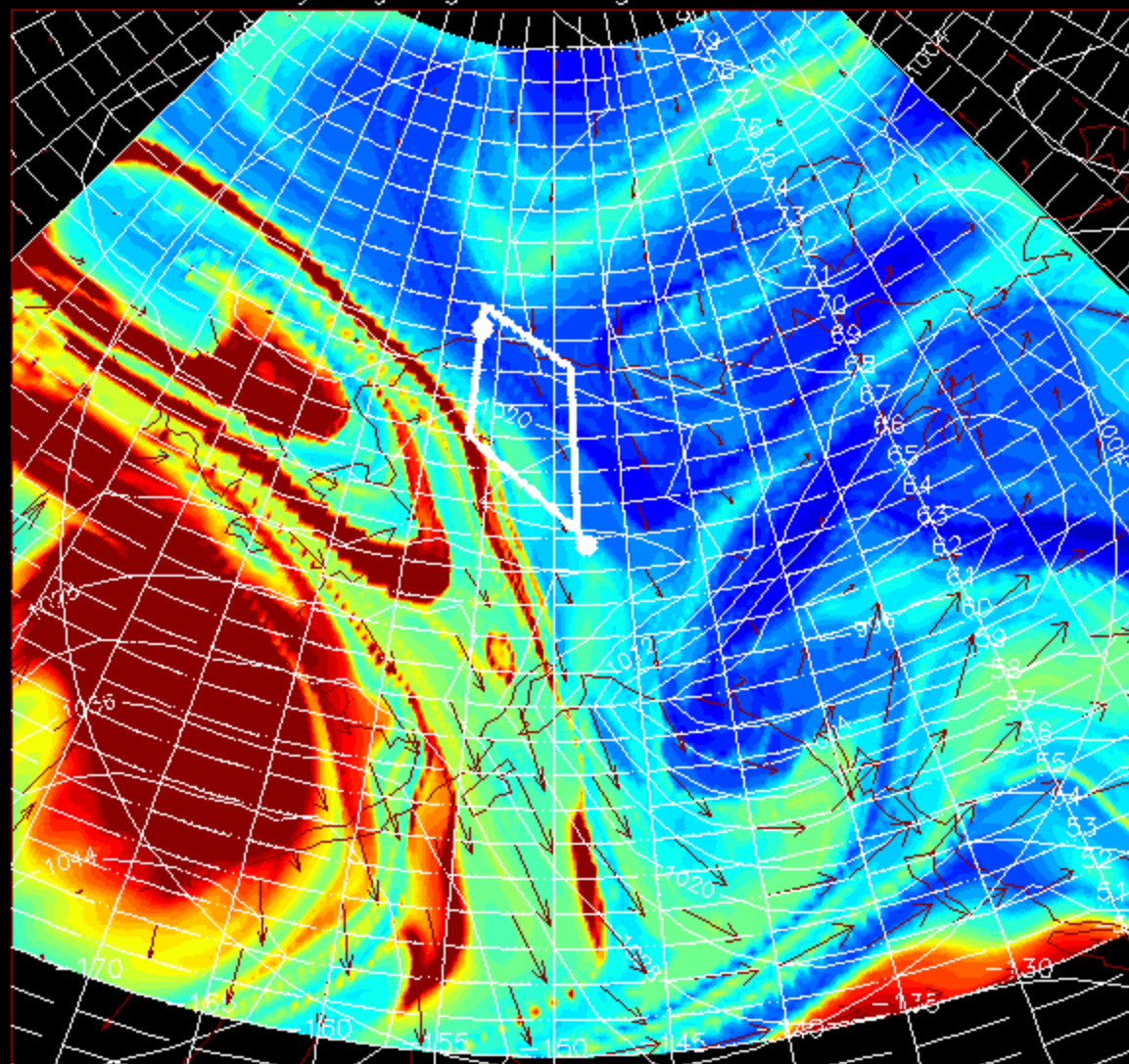


36hr FX ico CI= 6.00000 max= 325.436
RAQMS_20080417_00Z_36hr_fcst_rdf_curtain_arcpac.dat



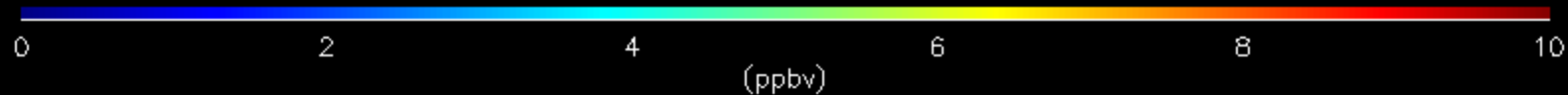
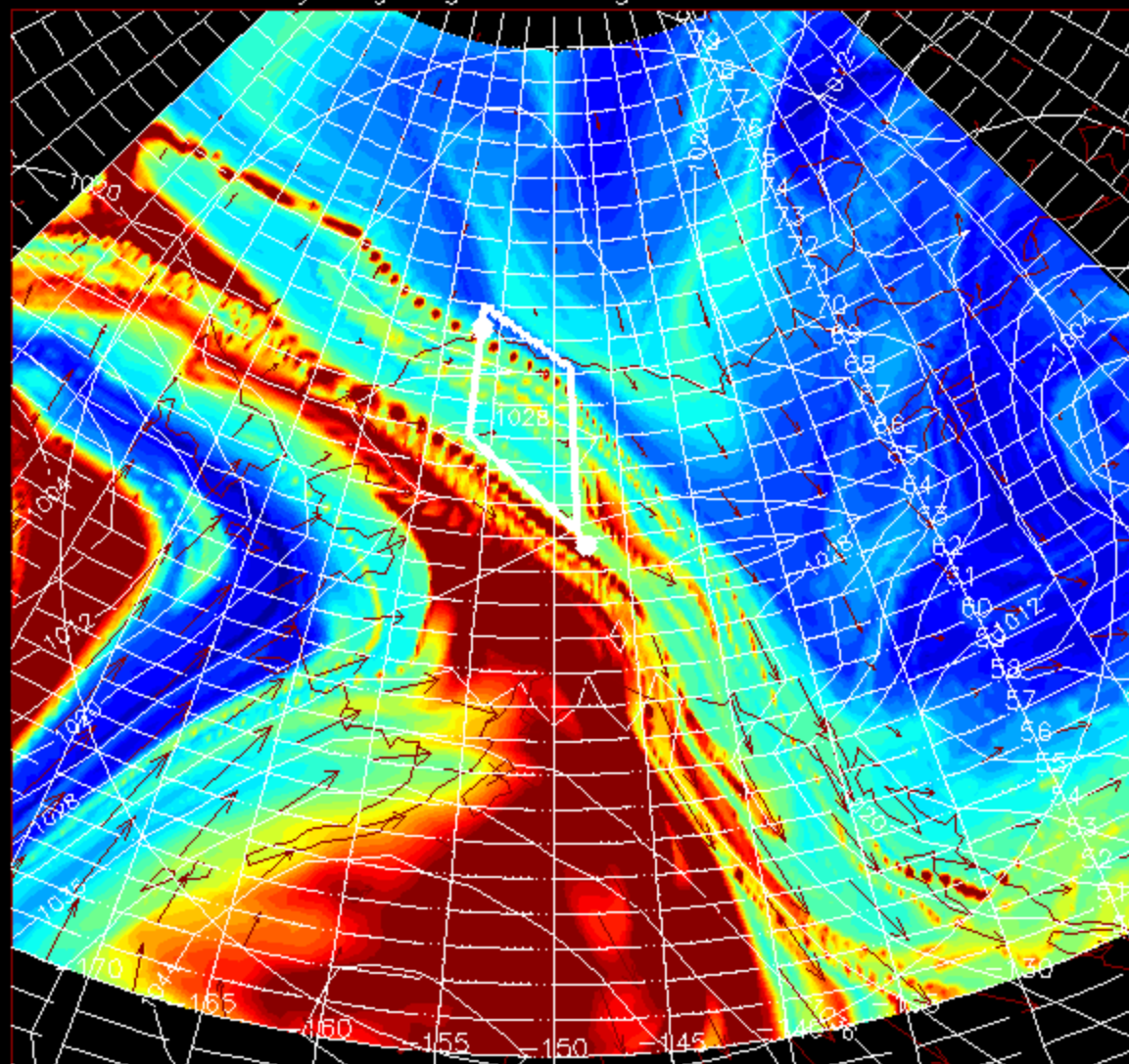
36hr 3km RDF BCOC

3km 5-day Lagrangian Averaged BC+OC 2008041700



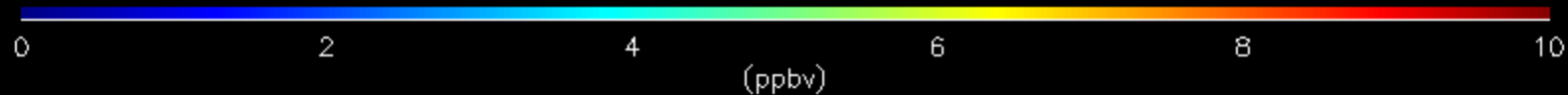
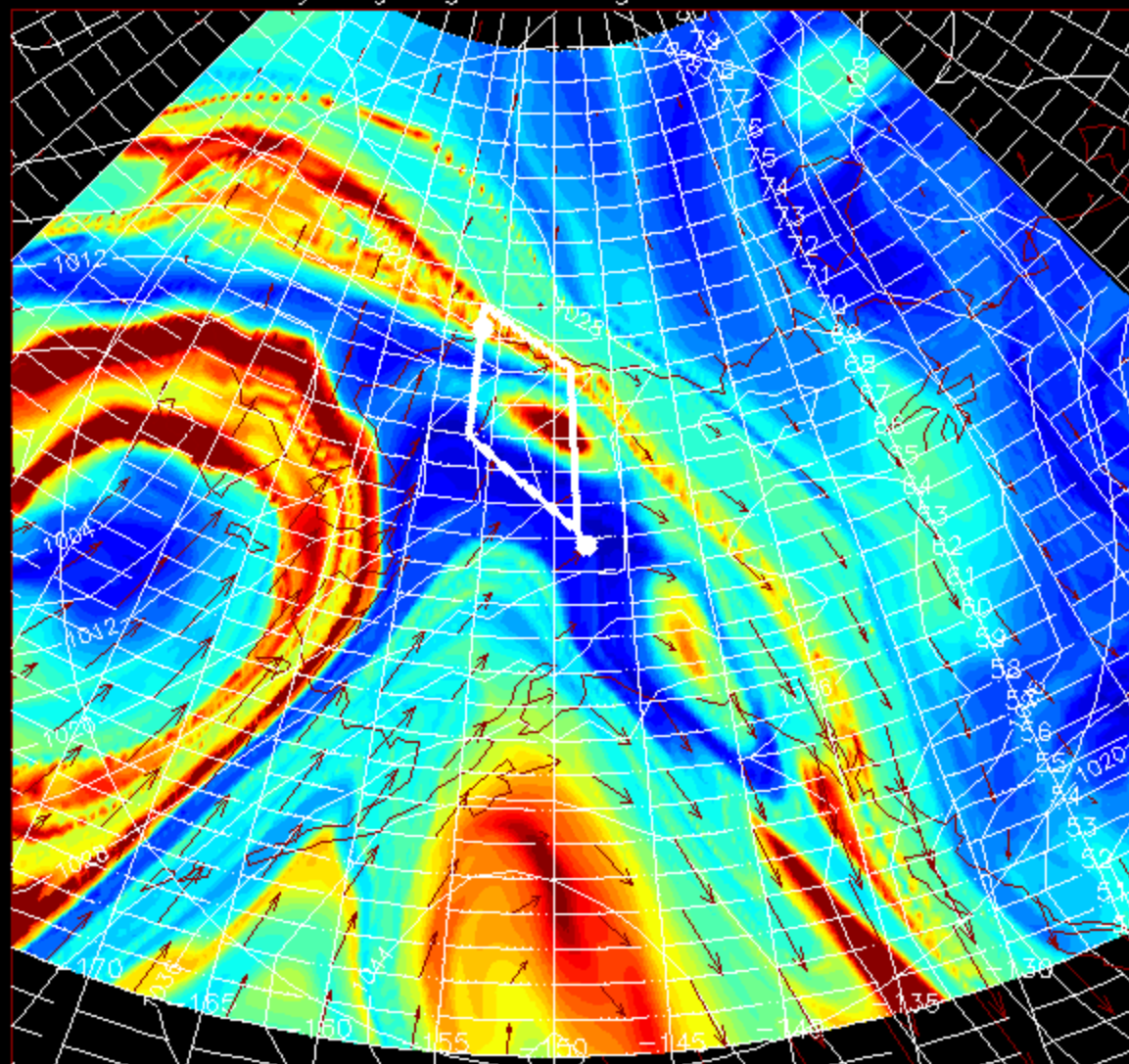
60hr 3km RDF BCOC

3km 5-day Lagrangian Averaged BC+OC 2008041800



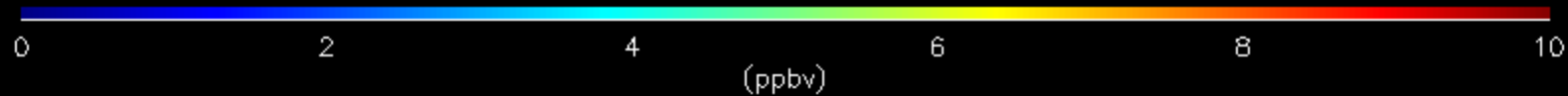
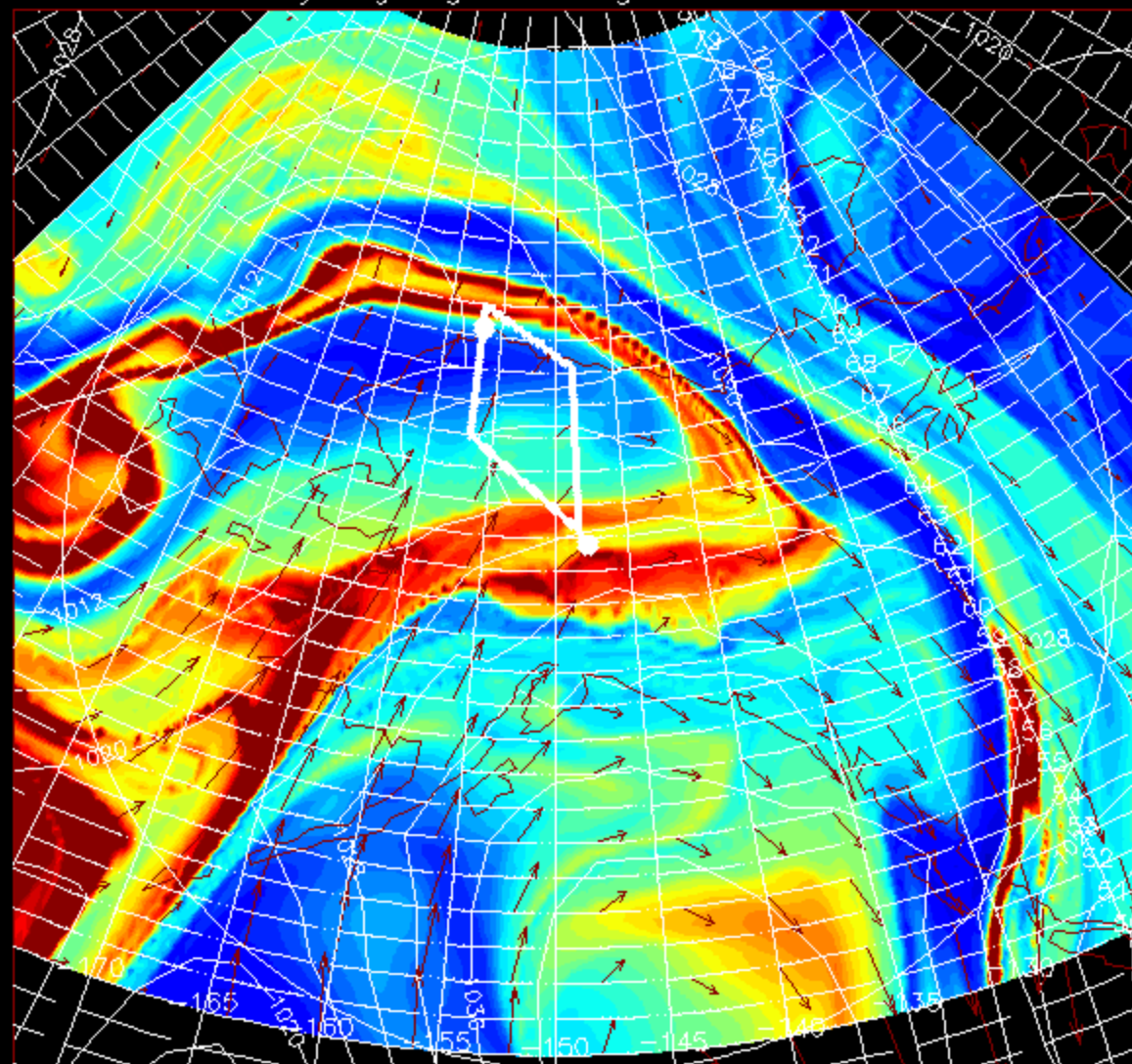
84hr 3km RDF BCOC

3km 5-day Lagrangian Averaged BC+OC 2008041900

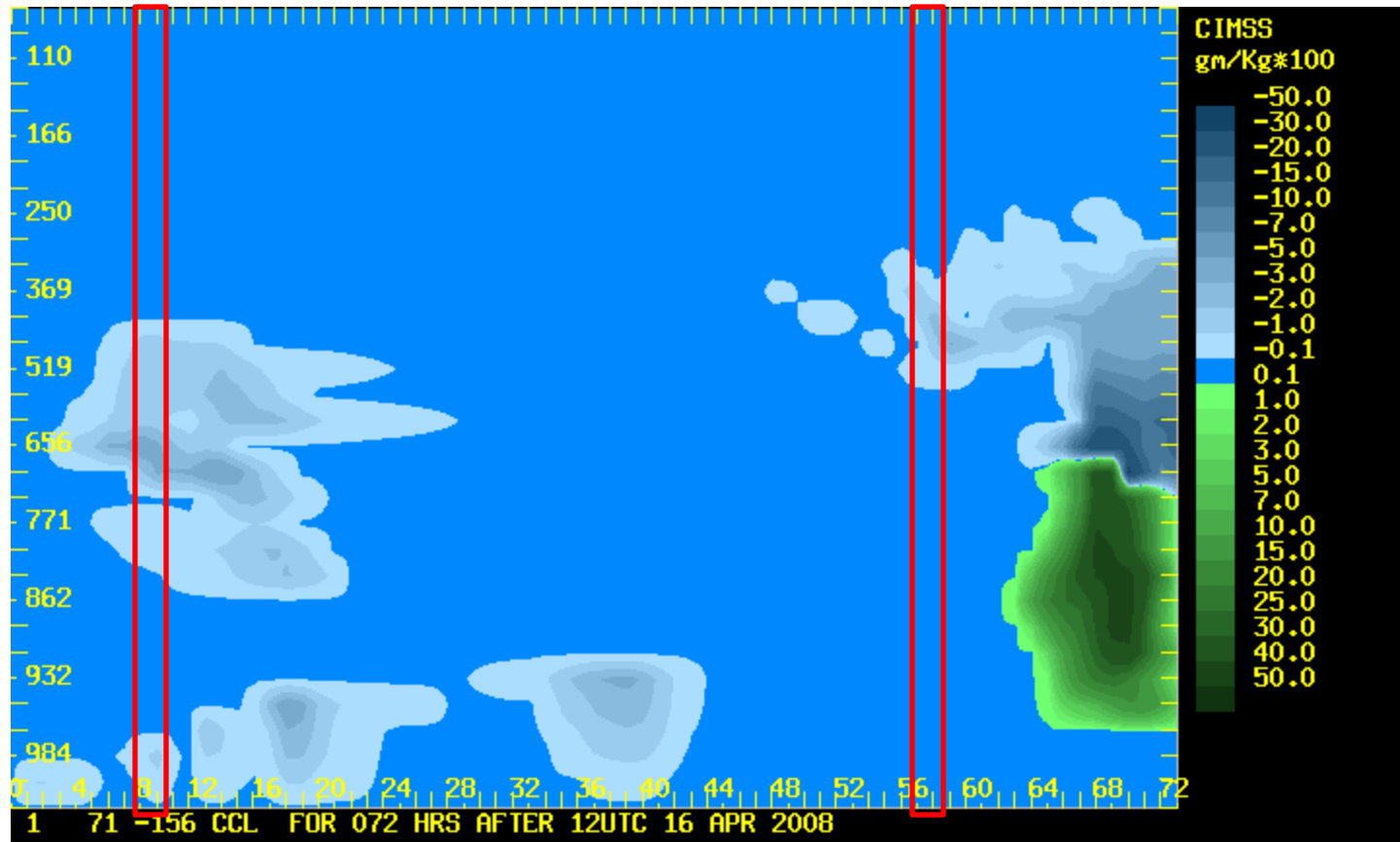


108hr 3km RDF BCOC

3km 5-day Lagrangian Averaged BC+OC 2008042000



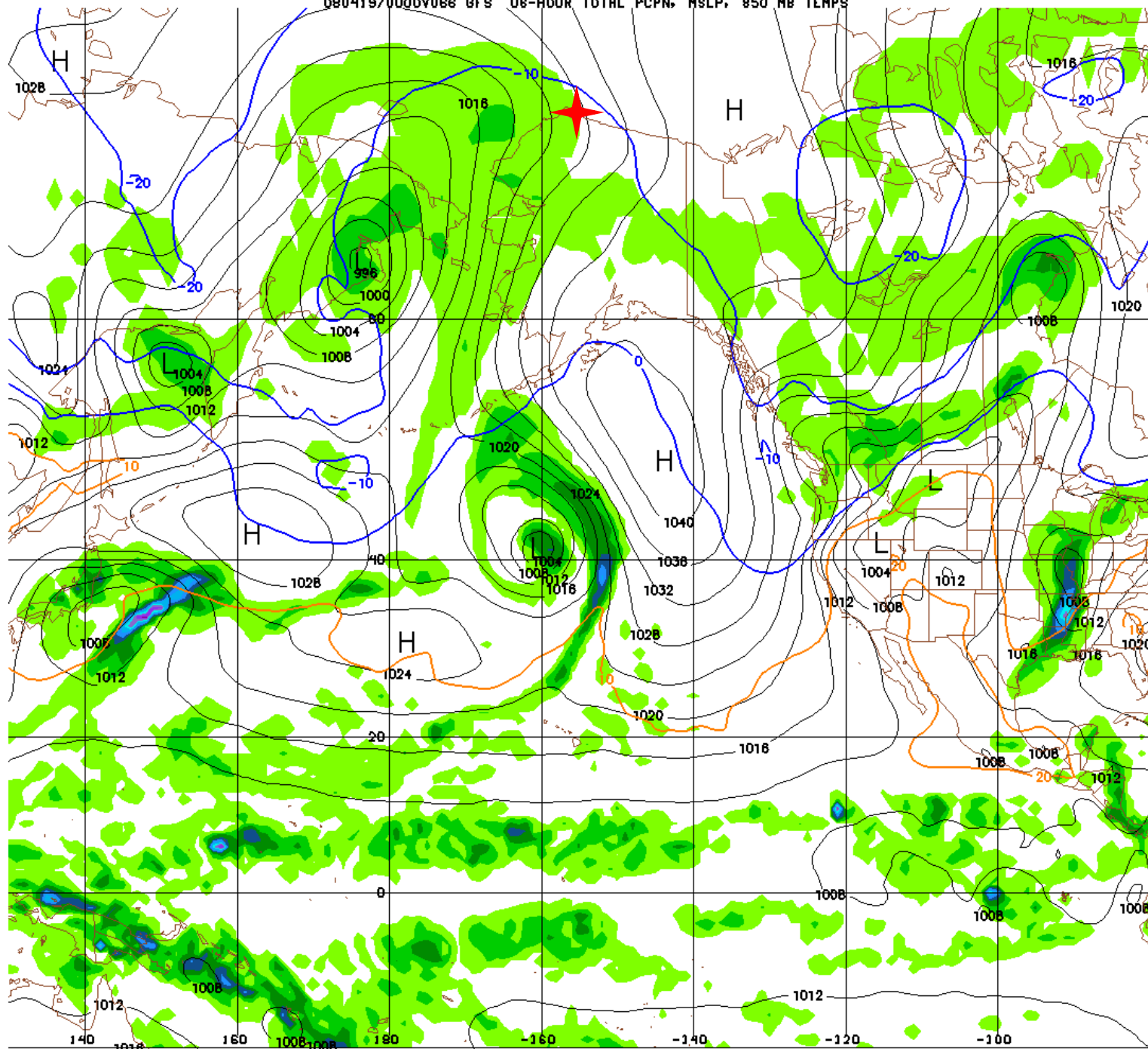
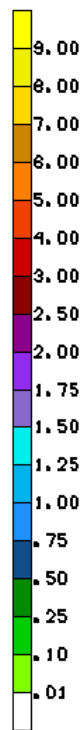
CRAS Barrow Cloud FX initialized 12Z 04/16/08



Barrow P3 Cloud Module
04/16/08

Barrow IASI overpass
21:34:46 04/18/08

080419/0000Y066 BFS 06-HOUR TOTAL PCPN, MSLP, 850 MB TEMPS



04/16/2008 06UTC 066HR FCST VALID SAT 04/19/2008 00UTC NCEP/NWS/NOAA